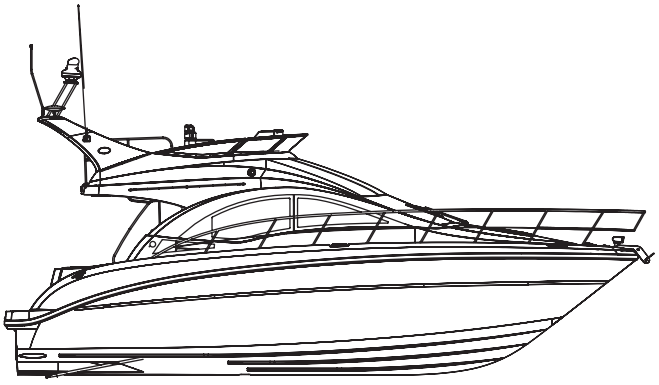
Sea Ray

Specific Information Manual

36 Sedan Bridge



36 Sedan Bridge Specific Information Manual

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Owner's Manual
36 Sedan Bridge
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1. Load Capacity

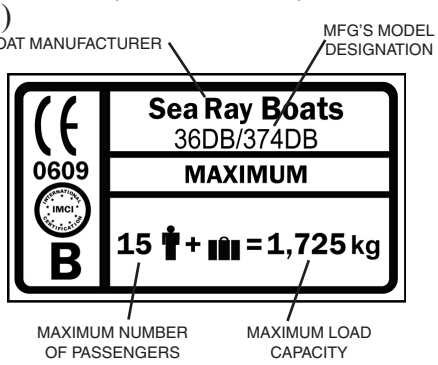
Refer to the General Information Manual for a detailed explanation of Load Capacity.

⚠ DANGER

Never carry more weight or passengers than indicated on the certification plate, regardless of weather or water conditions.

The boat can capsize, swamp or sink.

Builder's Plate (international)
(Fig. 1.1)



2. Passenger Locations

Refer to the General Information Manual for a detailed explanation of Passenger Locations.

⚠ WARNING

Boat motion can be erratic.

You can fall overboard or be injured by hitting something in or on the boat.

All persons must be in cockpit area or cabin and be prepared for sudden boat movement.

Use front or bow deck area only during anchoring, mooring or emergencies.

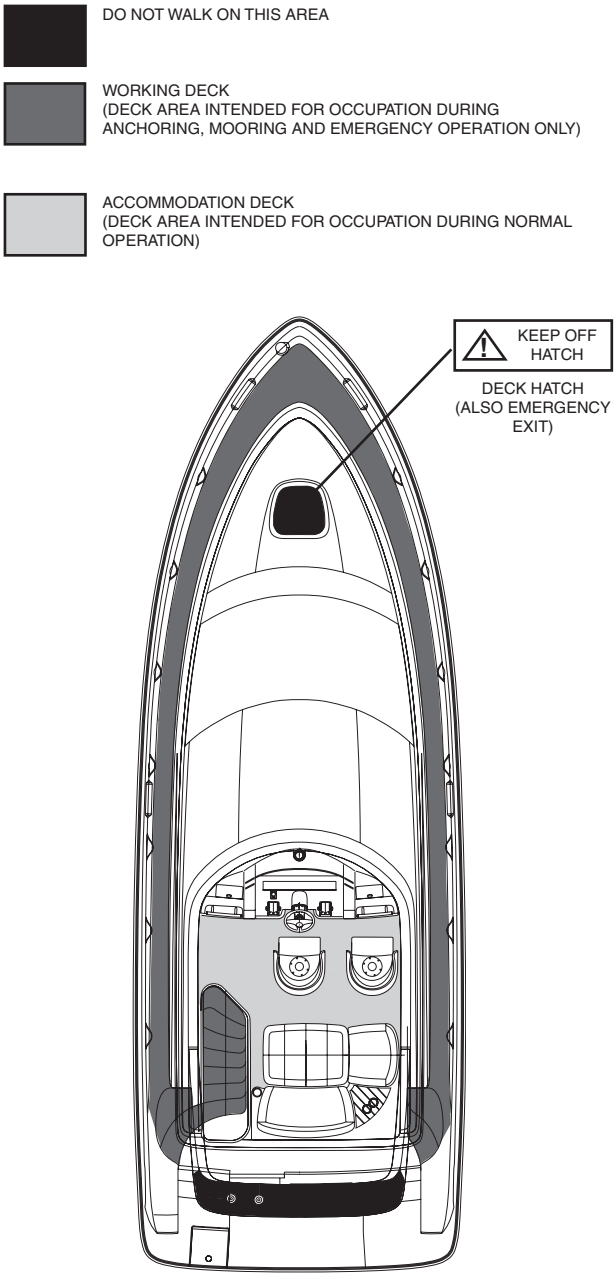
⚠ WARNING

Wet decks are slippery.

You can be seriously injured if you slip and fall.

Wear slip resistant footwear secured to your feet and hold on to rails or boat structure.

Passenger Locations
(Fig. 1.2)


DO NOT WALK ON THIS AREA
WORKING DECK
(DECK AREA INTENDED FOR OCCUPATION DURING ANCHORING, MOORING AND EMERGENCY OPERATION ONLY)
ACCOMMODATION DECK
(DECK AREA INTENDED FOR OCCUPATION DURING NORMAL OPERATION)
KEEP OFF HATCH
DECK HATCH
(ALSO EMERGENCY EXIT)

⚠ DANGER

Rotating propellers can injure or kill you.

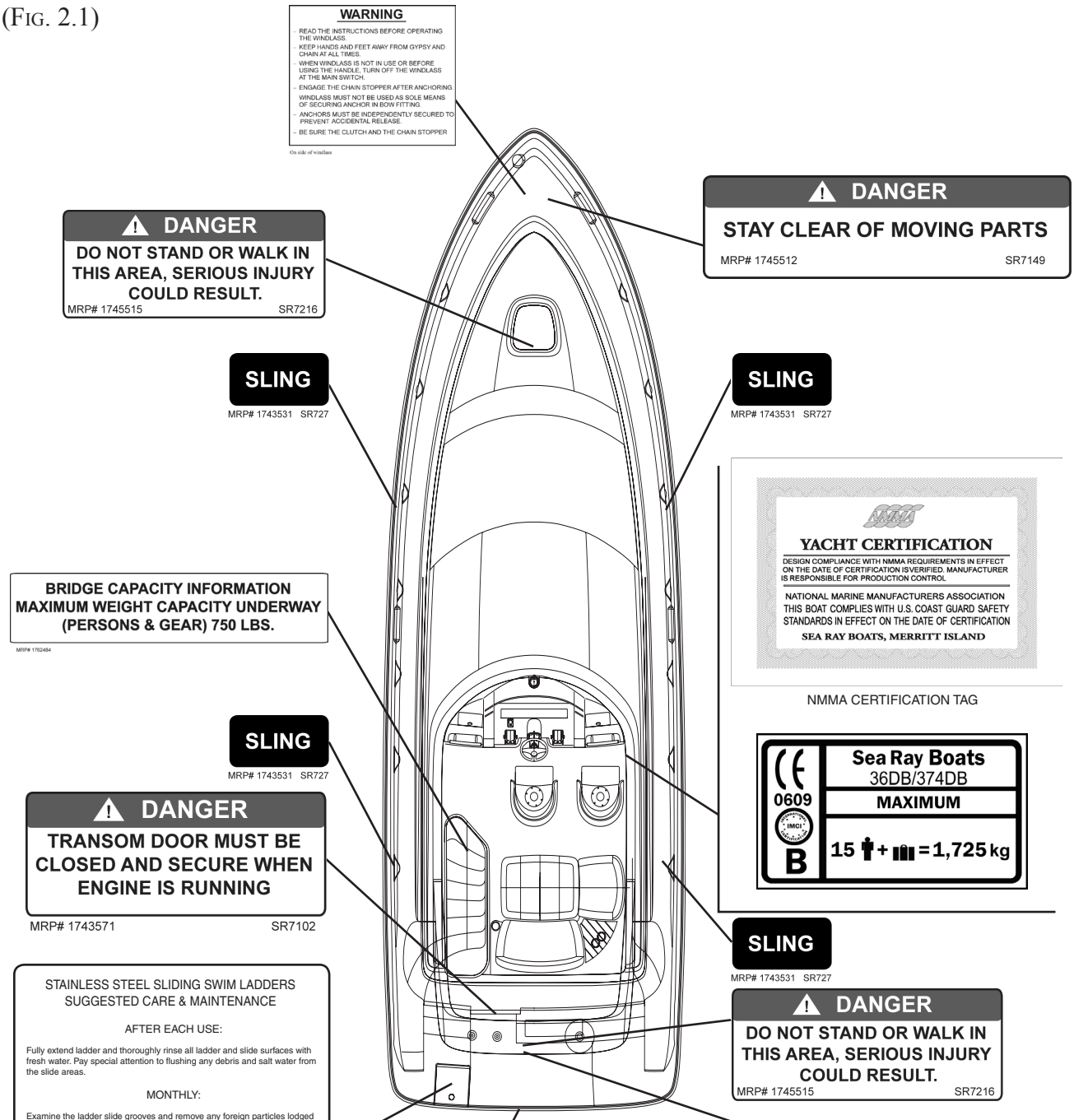
Shut off engine when persons are in water near boat, or on swim platform or ladder.

⚠ WARNING

Rear facing transom seats MUST NOT be used while engine is running or boat is moving.

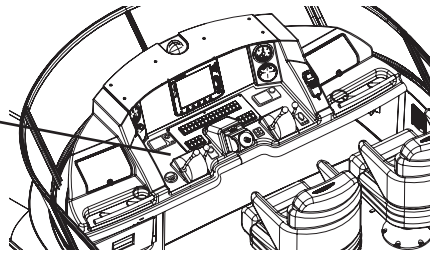
3. Safety Label Locations

Safety Label Locations
(Fig. 2.1)


WARNING
– READ THE INSTRUCTIONS BEFORE OPERATING THE WINDLASS.
– KEEP HANDS AND FEET AWAY FROM GYPSY AND CHAIN AT ALL TIMES.
– WHEN WINDLASS IS NOT IN USE OR BEFORE USING THE HANDLE, TURN OFF THE WINDLASS AT THE MAIN SWITCH.
– ENGAGE THE CHAIN STOPPER AFTER ANCHORING.
– WINDLASS MUST NOT BE USED AS SOLE MEANS OF SECURING ANCHOR IN BOW FITTING.
– ANCHORS MUST BE INDEPENDENTLY SECURED TO PREVENT ACCIDENTAL RELEASE.
– BE SURE THE CLUTCH AND THE CHAIN STOPPER
On side of windlass
DANGER
DO NOT STAND OR WALK IN THIS AREA, SERIOUS INJURY COULD RESULT.
MRP# 1745515 SR7216
DANGER
STAY CLEAR OF MOVING PARTS
MRP# 1745512 SR7149
SLING
MRP# 1743531 SR727
SLING
MRP# 1743531 SR727
BRIDGE CAPACITY INFORMATION
MAXIMUM WEIGHT CAPACITY UNDERWAY
(PERSONS & GEAR) 750 LBS.
MRP# 1762484
YACHT CERTIFICATION
DESIGN COMPLIANCE WITH NMMA REQUIREMENTS IN EFFECT ON THE DATE OF CERTIFICATION ISVERIFIED. MANUFACTURER IS RESPONSIBLE FOR PRODUCTION CONTROL
NATIONAL MARINE MANUFACTURERS ASSOCIATION
THIS BOAT COMPLIES WITH U.S. COAST GUARD SAFETY STANDARDS IN EFFECT ON THE DATE OF CERTIFICATION
SEA RAY BOATS, MERRITT ISLAND
NMMA CERTIFICATION TAG
SLING
MRP# 1743531 SR727
CE 0609 IMCI B
Sea Ray Boats
36DB/374DB
MAXIMUM
15 + = 1,725 kg
DANGER
TRANSOM DOOR MUST BE CLOSED AND SECURE WHEN ENGINE IS RUNNING
MRP# 1743571 SR7102
SLING
MRP# 1743531 SR727
STAINLESS STEEL SLIDING SWIM LADDERS
SUGGESTED CARE & MAINTENANCE
AFTER EACH USE:
Fully extend ladder and thoroughly rinse all ladder and slide surfaces with fresh water. Pay special attention to flushing any debris and salt water from the slide areas.
MONTHLY:
Examine the ladder slide grooves and remove any foreign particles lodged within the grooves.
Wash entire ladder, uning ONLY a clean, soft cloth, and mild soap solution. Rinse thoroughly with fresh water. To prevent damage NEVER USE ABRASIVES or ABRASIVE CLEANERS!
Allow ladder to dry after washing. Apply a light coating of spray lubricant or clear silicone grease to the slide areas ONLY. Work ladder back and forth to assure distribution of lubricant and ease of operation.
CAUTION - TO PREVENT THE POSSIBILITY OF PERSONAL INJURY, ENSURE THAT ANY LUBRICANT IS CLEANED FROM LADDER RUNGS AND STILES PRIOR TO USE.
Inspect the ladder for damage and check the security of all fasteners. Repair damage and/or tighten any hardware that may have become loose prior to use.
MRP 1573112 SR-7505
DANGER
DO NOT STAND OR WALK IN THIS AREA, SERIOUS INJURY COULD RESULT.
MRP# 1745515 SR7216
DANGER
TO AVOID THE RISK OF SERIOUS INJURY OR DEATH SHUT OFF ENGINE WHEN NEAR SWIMMERS OR PRIOR TO USING SWIM PLATFORM AND BOARDING LADDER.
MRP# 1745519 SR7214
DANGER
Carbon Monoxide (CO) can cause brain damage or death.
Engine and generator exhaust contains odorless and colorless carbon monoxide gas.
Carbon monoxide will be around the back of the boat when engines or generators are running.
Move to fresh air, if you feel nausea, headache, dizziness or drowsiness.

Safety Label Locations (Continued)

Safety Label Locations
(Fig. 3.1)



WARNING
Carbon Monoxide (CO) can cause brain damage or death.
Carbon monoxide can be present in the cabin.
Signs of carbon monoxide poisoning include nausea, headache, dizziness, drowsiness, and lack of conciousness.
Get fresh air if anyone shows signs of carbon monoxide poisoning.
Get fresh air if carbon monoxide detector alarm sounds.
Carbon monoxide detector must be functioning at all times.
MRP# 1743507 SR7313

DANGER
LEAVING WINDOW OPEN COULD INDUCE EXHAUST FUMES INTO CABIN RESULTING IN SEVERE PERSONAL INJURY OR DEATH.
MRP# 1747493 SR7135

DANGER
TURN OFF COFFEE MAKER BEFORE CLOSING DOOR
MRP# 1751876 SR7134

EXHAUST FAN MUST BE ON WHEN COOKING APPLIANCE IS IN USE.
MRP# 1745124 SR7106

12VDC-15A MAX
MRP# 1744738 SR747

DANGER
LEAVING WINDOW OPEN COULD INDUCE EXHAUST FUMES INTO CABIN RESULTING IN SEVERE PERSONAL INJURY OR DEATH.
MRP# 1747493 SR7135

WARNING
RUNNING BOAT WITH DOOR OPEN COULD INDUCE EXHAUST FUMES INTO CABIN. SEE OWNERS MANUAL FOR INSTRUCTIONS CONCERNING CARBON MONOXIDE.
MRP# 1743548 SR7285
ON SALON ENTRY DOOR

WARNING
Carbon Monoxide (CO) can cause brain damage or death.
Carbon monoxide can be present in the cabin.
Signs of carbon monoxide poisoning include nausea, headache, dizziness, drowsiness, and lack of conciousness.
Get fresh air if anyone shows signs of carbon monoxide poisoning.
Get fresh air if carbon monoxide detector alarm sounds.
Carbon monoxide detector must be functioning at all times.
MRP# 1743507 SR7313

DISCHARGE OF OIL PROHIBITED
THE FEDERAL WATER POLLUTION CONTROL ACT PROHIBITS THE DISCHARGE OF OIL OR OILY WASTE INTO OR UPON THE NAVIGABLE WATERS OF THE UNITED STATES OR THE WATERS OF THE CONTIGUOUS ZONE IF SUCH DISCHARGE CAUSES A FILM OR SHEEN UPON OR A DISCOLORATION OF THE SURFACE OF THE WATER OR CAUSES A SLUDGE OR EMULSION BENEATH THE SURFACE OF THE WATER, VIOLATORS ARE SUBJECT TO A PENALTY OF $5,000.
MRP# 1744737 SR744

CAUTION
PRIOR TO TOWING VESSEL:
- LOCK PROPELLER SHAFT(S) TO PREVENT DAMAGE TO SHAFT SEAL AND TRANSMISSION BEARINGS.
- CLOSE SEACOCKS ON NON-OPERATING ENGINES TO PREVENT SEA WATER INGESTION.

MRP# 1751885 SR7203

NOTICE
THIS BOAT IS EQUIPPED WITH AN OPTIONAL DIRECT OVERBOARD DISCHARGE VALVE. DISCHARGING OF SEWAGE DIRECTLY OVERBOARD IS FOR USE WHERE APPROVED ONLY
MRP# 1745156 SR-7118

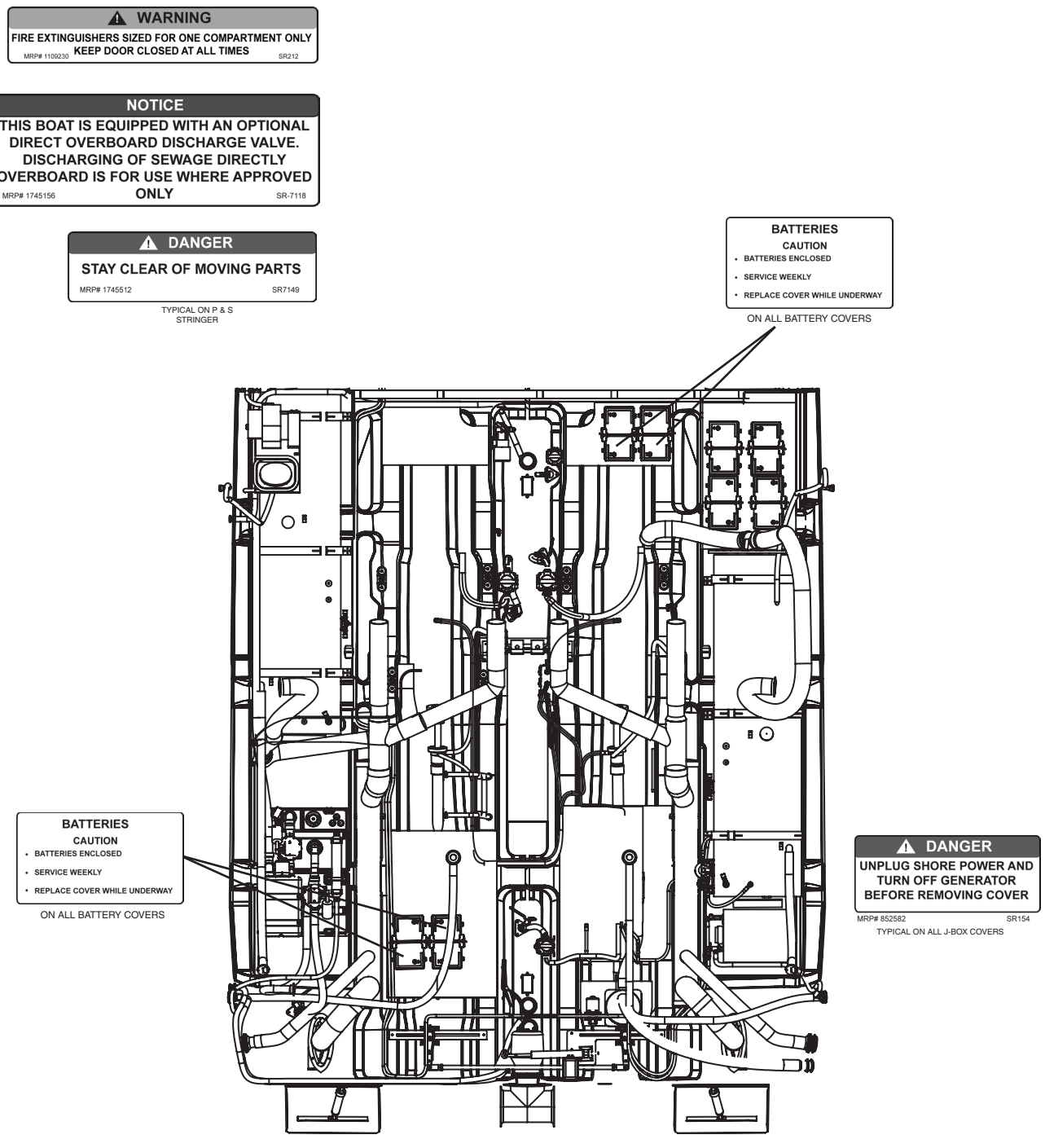
DANGER
STAY CLEAR OF MOVING PARTS
MRP# 1745512 SR7149

NOTICE
CHECK BATTERY CELL FLUID LEVEL APPROXIMATELY EVERY 4 WEEKS, AND MORE OFTEN IN SUMMER AND HOT ZONES.
MRP# 1746895 SR-7139

WARNING
LEAKING FUEL IS A FIRE AND EXPLOSION HAZARD. INSPECT SYSTEM REGULARLY. EXAMINE FUEL TANKS FOR LEAKS OR CORROSION AT LEAST ANNUALLY
MRP# 1745513 SR7151

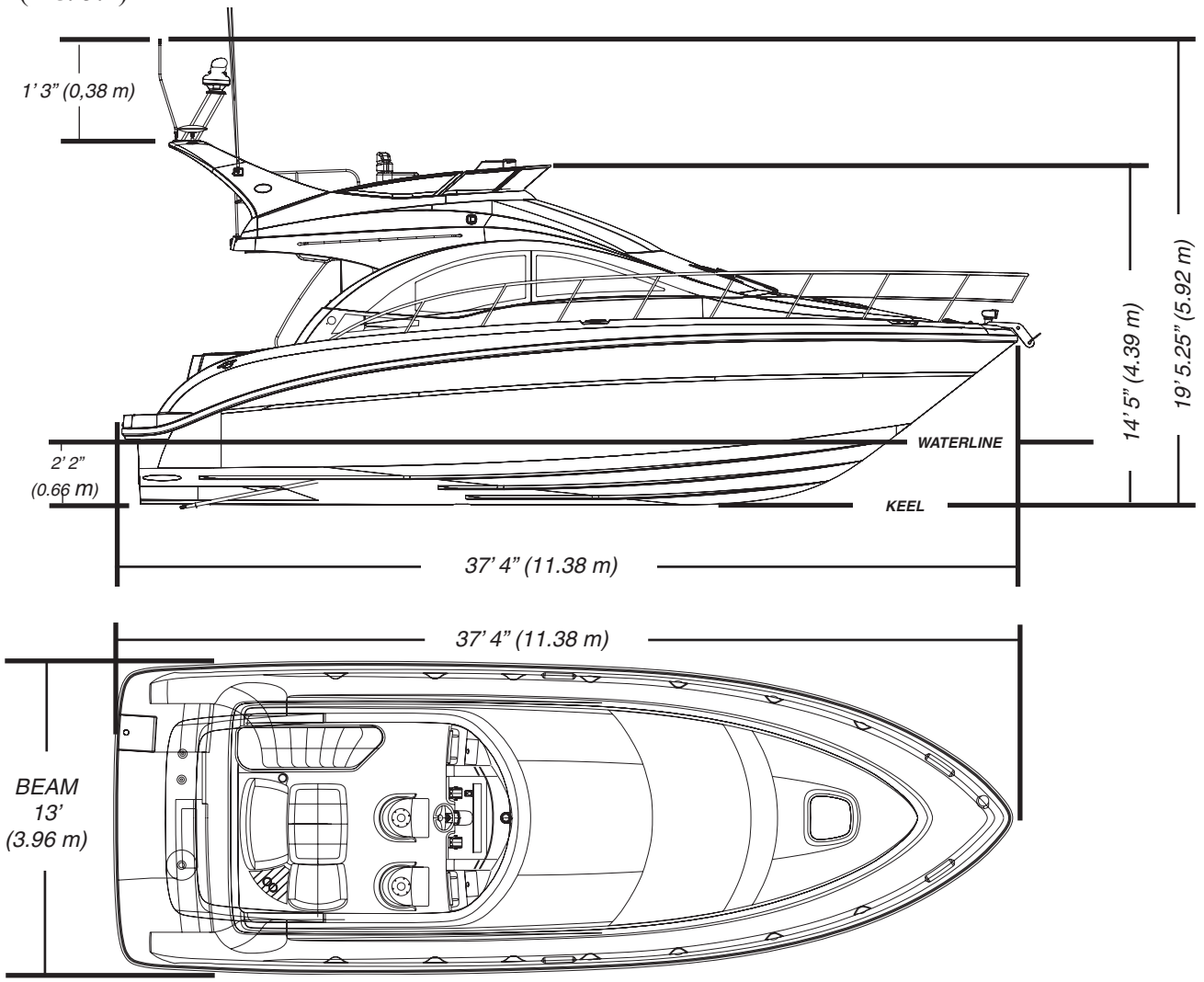
Safety Label Locations (Continued)

Safety Label Locations
(Fig. 4.1)



4. Basic Boat Dimensions and Clearances

Boat Dimensions and Clearances
(Fig. 5.1)



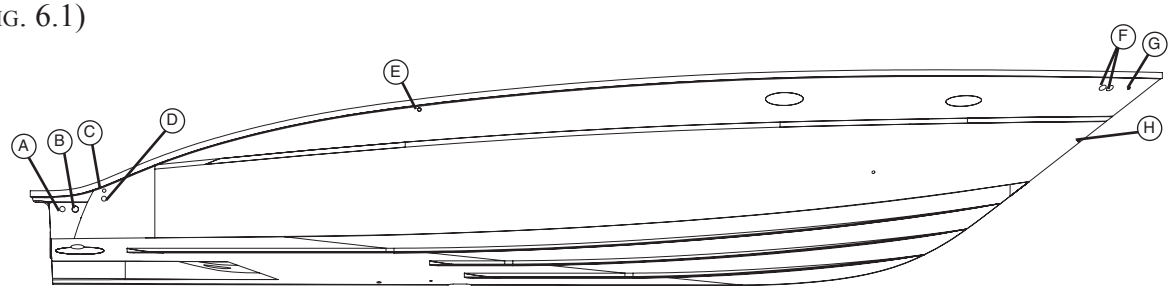
SPECIFICATIONS& DIMENSIONS

Overall Length	**38' 4" (11.68 m)**	**Water Capacity**	**75 gal. (283.9 liters)**
Hull Length	**37' 4" (11.38 m)**	**Holding Tank**	**35 gal. (132.5 liters)**
Beam	**13' (3.96 m)**	**Dead Rise**	**19°**
Draft	**40" (1.016 m)**	**Keel To Top Of Mastlight**	**19' 5 1/4" (5.92 m)**
Dry Weight – Standard Power	**21, 300 lbs. (9.661.6 kg)**	**Keel To Top Of Bridge**	**14' 5" (4.39 m)**
Fuel Capacity	**300 gal. (1,135.5 liters)**		

NOTE - DIMENSIONS CAN VARY DEPENDING ON LOAD AND RUNNING CONDITIONS.

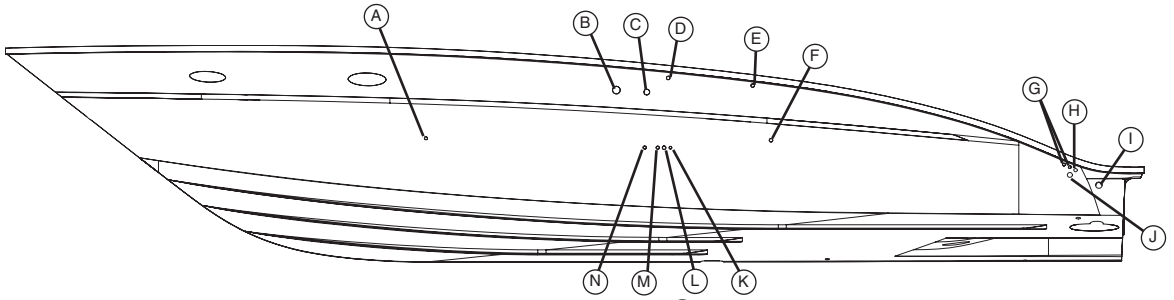
5. Function and Location of Through-Hull Fittings and Cutouts

Starboard Through-Hull Fittings (Fig. 6.1)



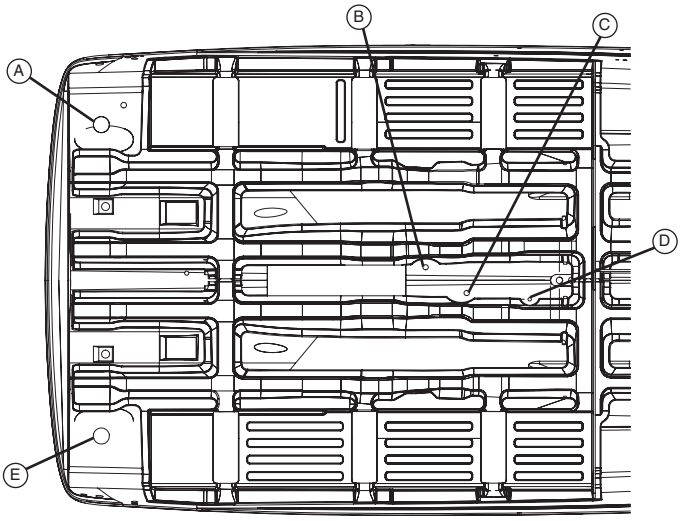
- (A) GENERATOR EXHAUST
- (B) STARBOARD ENGINE EXHAUST
- (C) WATER HEATER DRAIN
- (D) COCKPIT HATCH DRAIN
- (E) STARBOARD FUEL TANK VENT
- (F) HORN
- (G) ROPE LOCKER HATCH DRAIN
- (H) ROPE LOCKER DRAIN

Port Through-Hull Fittings (Fig. 6.2)



- (A) HEAD SINK DRAIN
- (B) POWER VENT
- (C) VACUUM VENT (OPTIONAL)
- (D) WATER TANK VENT
- (E) PORT FUEL TANK VENT
- (F) FORWARD BILGE PUMP
- (G) AFT BILGE PUMP
- (H) HOLDING TANK VENT
- (I) PORT ENGINE EXHAUST
- (J) COCKPIT HATCH DRAIN
- (K) SHOWER SUMP
- (L) CABIN BILGE PUMP
- (M) SALON A/C DRAIN
- (N) GALLEY SINK DRAIN

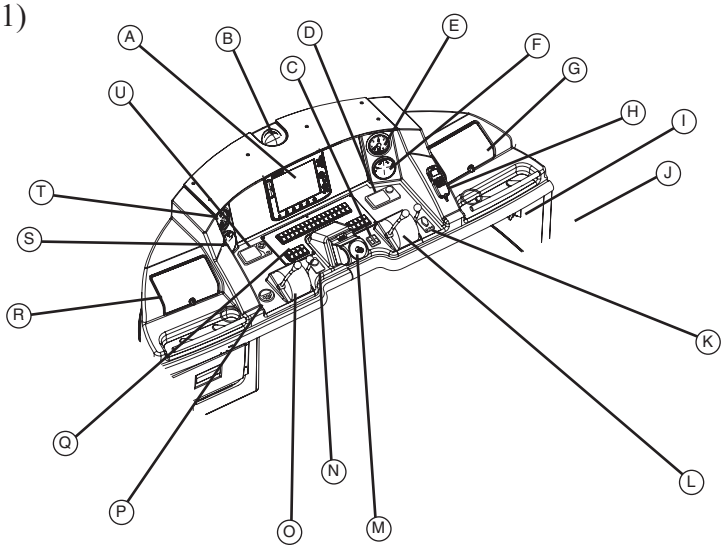
Bilge Through-Hull Cutouts (Fig. 6.3)



- (A) PORT ENGINE UNDERWATER EXHAUST
- (B) PORT ENGINE SEACOCK
- (C) STARBOARD ENGINE SEACOCK
- (D) A/C SEACOCK
- (E) STARBOARD ENGINE UNDERWATER EXHAUST

6. Helm, Gauge and Switch Layout

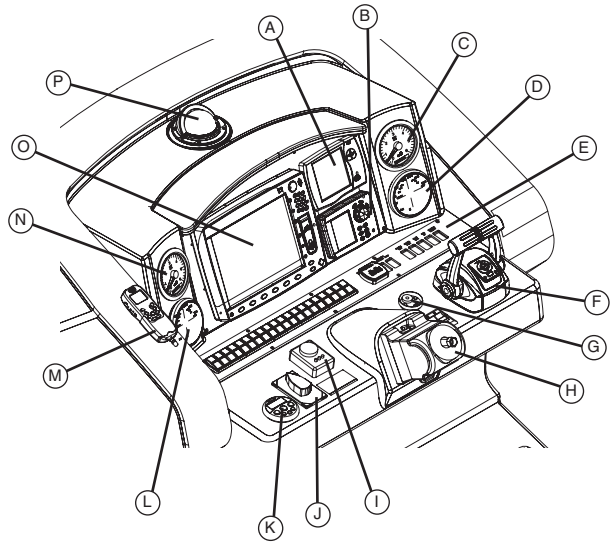
Bridge Control Station
(Fig. 7.1)



- (A) SEARAY NAVIGATOR
- (B) MAGNETIC COMPASS
- (C) TRIM TAB CONTROL
- (D) AUTOPILOT
- (E) STARBOARD ENGINE TACHOMETER
- (F) STARBOARD ENGINE MULTI GAUGE
- (G) STARBOARD STORAGE
- (H) VHF RADIO HANDSET
- (I) MANUAL FIRE EXTINGUISHER
- (J) SYSTEMS MONITOR
- (K) THRUSTER CONTROL
- (L) THROTTLE CONTROLS
- (M) HELM
- (N) SPOTLIGHT CONTROL
- (O) GEAR SHIFT
- (P) STEREO REMOTE
- (Q) SWITCH PANEL
- (R) PORT STORAGE
- (S) PORT ENGINE MULTI GAUGE
- (T) PORT ENGINE TACHOMETER
- (U) SMARTCRAFT SYSTEM VIEW

7. Lower Control Station Layout (Optional)

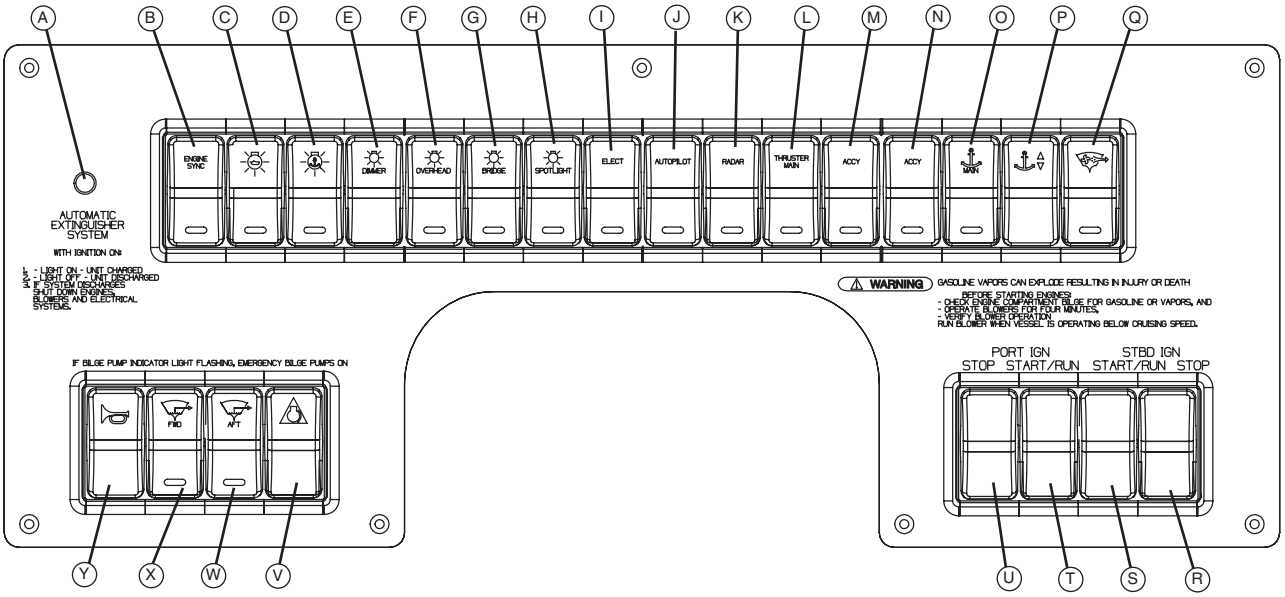
Lower Control Station Layout (Optional)
(Fig. 7.2)



- (A) SMARTCRAFT SYSTEMVIEW
- (B) AUTOPILOT
- (C) STARBOARD ENGINE TACHOMETER
- (D) STARBOARD ENGINE MULTI-GAUGE
- (E) SWITCH PANEL
- (F) MATHERS THROTTLE/GEAR SHIFT
- (G) FIRE EXTINGUISHER OVERRIDE SWITCH
- (H) HELM
- (I) SPOTLIGHT
- (J) THRUSTER CONTROL
- (K) STEREO REMOTE
- (L) PORT ENGINE MULTI GAUGE
- (M) VHF RADIO HANDSET
- (N) PORT ENGINE TACHOMETER
- (O) SEARAY NAVIGATOR
- (P) MAGNETIC COMPASS

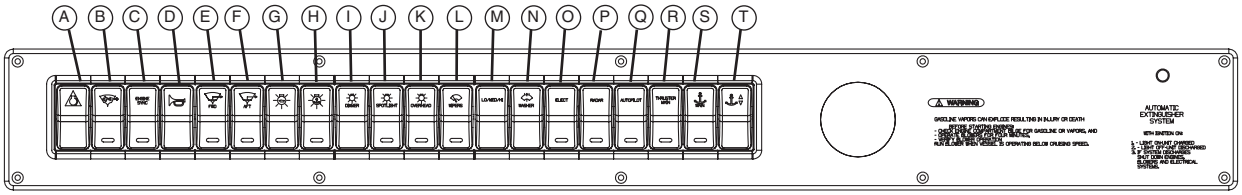
8. Control Station Switch Panels

Bridge Control Station Switch Panel
(Fig. 8.1)



- (A) AUTOMATIC FIRE EXTINQUISHER INDICATOR LIGHT
- (B) ENGINE SYNC
- (C) NAVIGATION LIGHTS
- (D) ANCHOR LIGHT
- (E) DIMMER
- (F) OVERHEAD LIGHTS
- (G) BRIDGE LIGHTS
- (H) SPOTLIGHT
- (I) ELECTRONICS SWITCH
- (J) AUTOPILOT
- (K) RADAR
- (L) THRUSTER MAIN SWITCH
- (M) ACCESSORY
- (N) ACCESSORY
- (O) WINDLASS MAIN
- (P) WINDLASS
- (Q) BILGE BLOWERS
- (R) STARBOARD ENGINE STOP SWITCH
- (S) STARBOARD ENGINE START/RUN SWITCH
- (T) PORT ENGINE START/RUN SWITCH
- (U) PORT ENGINE STOP SWITCH
- (V) EMERGENCY ENGINE START SWITCH
- (W) AFT BILGE PUMP
- (X) FORWARD BILGE PUMP
- (Y) HORN

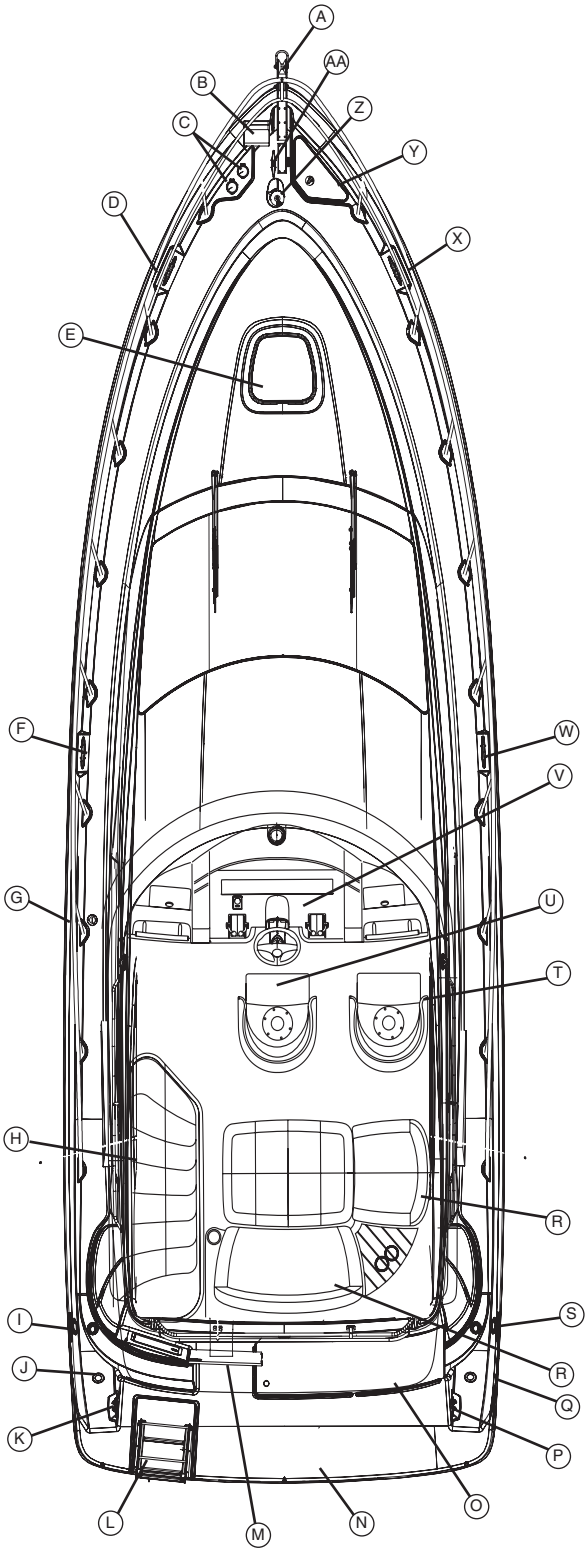
Lower Control Station Switch Panel
(Fig. 8.2)



- (A) EMERGENCY ENGINE START SWITCH
- (B) BILGE BLOWERS
- (C) ENGINE SYNC
- (D) HORN
- (E) FORWARD BILGE PUMP
- (F) AFT BILGE PUMP
- (G) NAVIGATION LIGHTS
- (H) ANCHOR LIGHT
- (I) DIMMER SWITCH
- (J) SPOTLIGHT
- (K) OVERHEAD LIGHTS
- (L) WINDSHIELD WIPERS
- (M) WIPER SPEED CONTROL SWITCH
- (N) WINDSHIELD WASHER
- (O) ELECTRONICS
- (P) RADAR
- (Q) AUTOPILOT
- (R) THRUSTER MAIN
- (S) WINDLASS MAIN
- (T) WINDLASS

9. Deck Layout

General Layout
(Fig. 9.1)



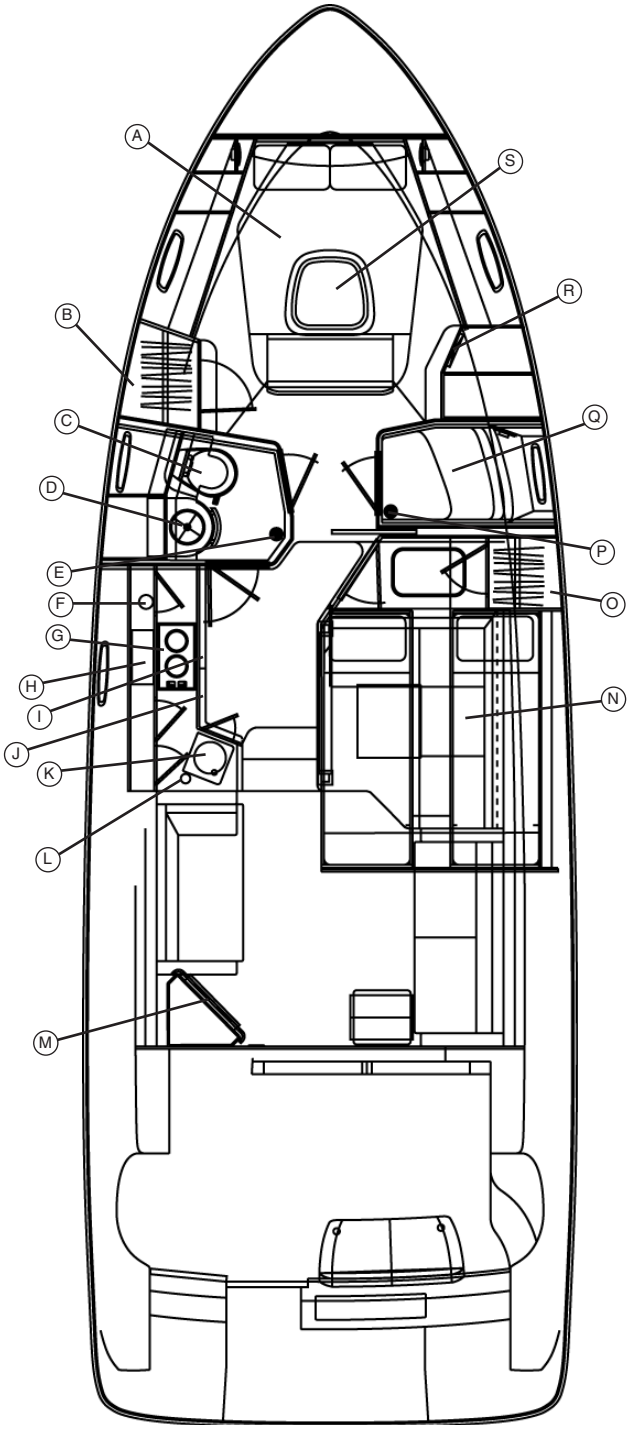
- (A) ANCHOR CHUTE
- (B) SPOTLIGHT
- (C) WINDLASS BOW SWITCHES
- (D) PORT BOW CLEAT
- (E) FORWARD STATEROOM HATCH
- (F) PORT MIDSHIP CLEAT
- (G) FRESH WATER FILL DECK PLATE
- (H) BRIDGE STEPS
- (I) PORT AFT OUTBOARD CLEAT
- (J) PORT FUEL FILL DECK PLATE
- (K) PORT AFT INBOARD CLEAT
- (L) TELESCOPING SWIM LADDER
- (M) TRANSOM DOOR
- (N) SWIM PLATFORM
- (O) TRANSOM STORAGE
- (P) STARBOARD AFT INBOARD CLEAT
- (Q) STARBOARD FUEL FILL DECK PLATE
- (R) BRIDGE SEATING
- (S) STARBOARD AFT OUTBOARD CLEAT
- (T) BRIDGE CAMPANION SEAT
- (U) CAPTAIN'S SEAT
- (V) BRIDGE CONTROL STATION
- (W) STARBOARD MIDSHIP CLEAT
- (X) STARBOARD BOW CLEAT
- (Y) ANCHOR LOCKER
- (Z) WINDLASS
- (AA) ANCHOR CLEAT

10. Interior Layout

General Layout, Interior
(Fig. 10.1)

⚠ DANGER

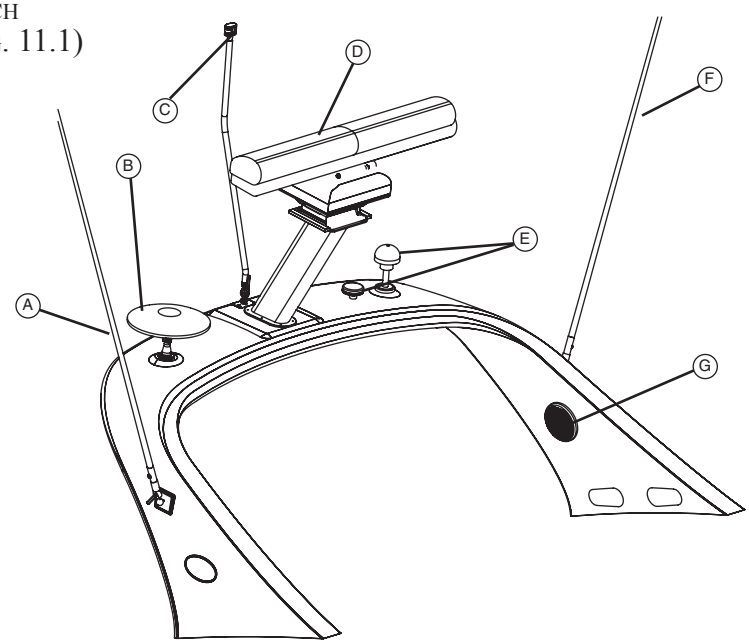
SLEEPING ON A BOAT REQUIRES AN OPERATING CARBON MONOXIDE DETECTION SYSTEM IN EACH SLEEPING LOCATION



- (A) MASTER STATEROOM BUNK
- (B) MASTER STATEROOM HANGING CLOSET
- (C) HEAD
- (D) VANITY SINK
- (E) HEAD FLOOR DRAIN
- (F) COFFEE MAKER
- (G) TWO BURNER STOVE
- (H) MICROWAVE
- (I) FREEZER
- (J) REFRIGERATOR
- (K) GALLEY SINK
- (L) GALLEY FAUCET
- (M) MAIN DISTRIBUTION PANEL / ENTERTAINMENT CENTER
- (N) DINETTE (UPPER LEVEL)
- (O) STARBOARD STATEROOM (LOWER LEVEL)
- (P) SHOWER FLOOR DRAIN
- (Q) SHOWER
- (R) FORWARD STATEROOM TELEVISION
- (S) FORWARD STATEROOM SKYLIGHT/EMERGENCY HATCH

11. Arch

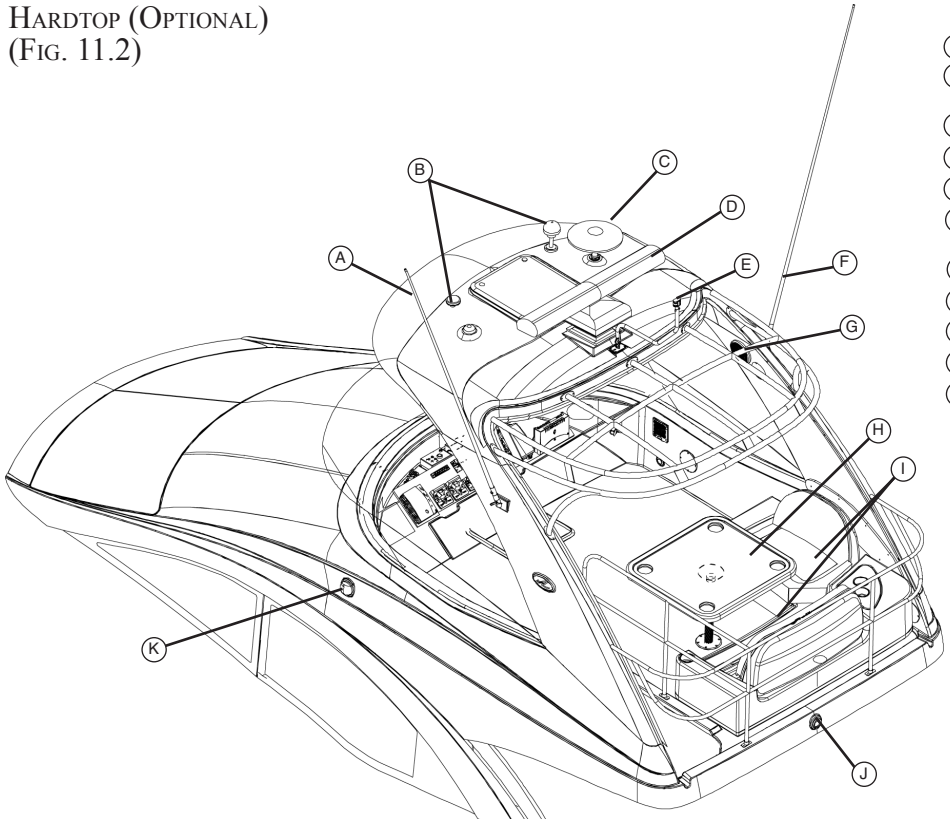
Arch
(Fig. 11.1)



- A VHF ANTENNA
- B TV ANTENNA
- C ALL ROUND LIGHT
- D RADAR
- E SEARAY/NORTHSTAR GPS ANTENNA (OPTIONAL)
- F SEARAY NAVIGATOR VHF ANTENNA (OPTIONAL)
- G SPEAKERS (P&S)

12. Hardtop (Optional)

Hardtop (Optional)
(Fig. 11.2)

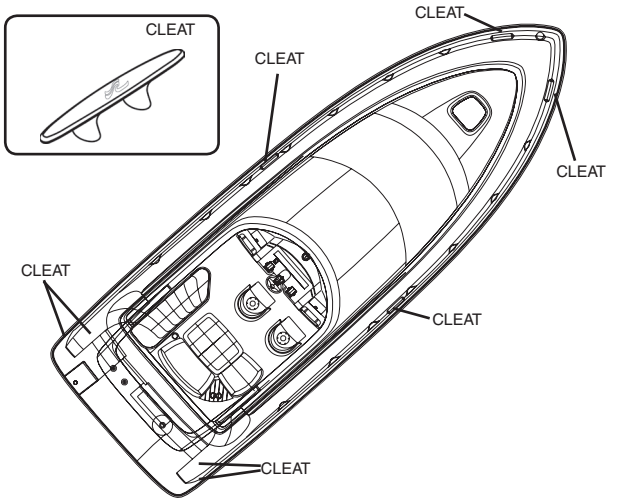


- A VHF ANTENNA
- B SEARAY/NORTHSTAR GPS ANTENNA (OPTIONAL)
- C TV ANTENNA
- D RADAR
- E ALL ROUND ANCHOR LIGHT
- F SEARAY NAVIGATOR VHF ANTENNA (OPTIONAL)
- G SPEAKERS (P&S)
- H BRIDGE DINETTE TABLE
- I BRIDGE GUEST SEATING
- J STERN LIGHT
- K PORT NAVIGATION LIGHT

13. Cleats

Cleats must not be used for lifting the boat; they are intended for docking or mooring use only.

Cleat / Bow & Stern Eye Locations (Fig. 12.1)



14. Navigation and Anchor Lights

Navigation lights MUST be on while underway from sunset to sunrise or in conditions of reduced visibility. "Underway" means the boat is not docked or at anchor. Trolling or drifting with engine off is considered "underway" and navigation lights must be used.

If you are anchored in open water, i.e. where other boats can approach yours, you must display your anchor light: a white light that can be seen from all possible directions, i.e. 360 degrees.

Read the "Federal Requirements and Safety Tips for Recreational Boats" provided in your kit.

To Operate the Running Lights:

Push RUNNING switch on control station switch panel to the ON position.

To Operate the Anchor Lights:

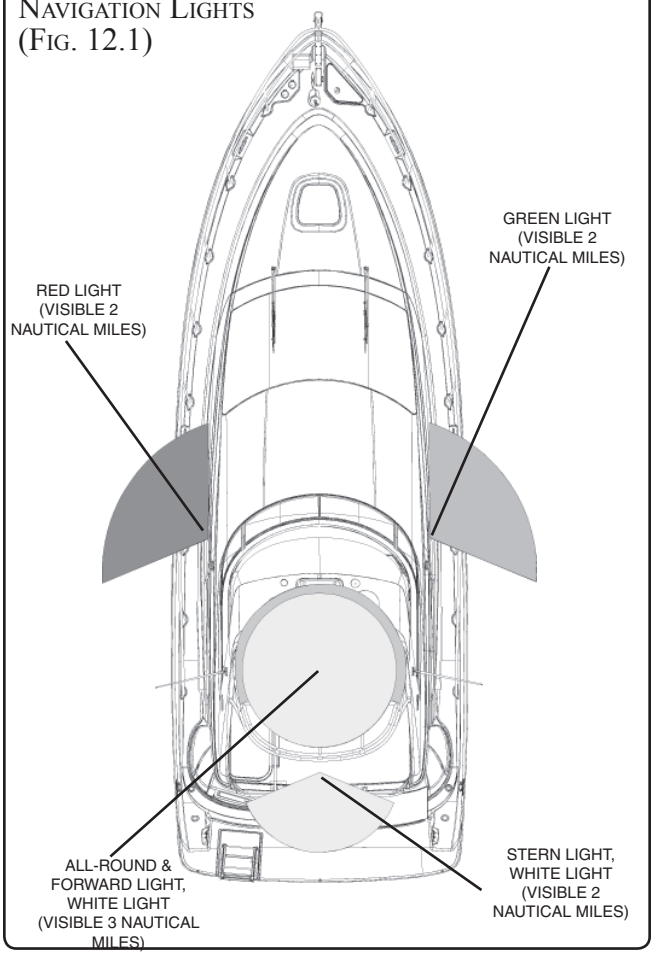
Push ANCHOR switch on control station switch panel to the ON position.

Your boat is equipped with a sport spoiler. If you opt to install additional equipment on the spoiler or optional hard top, it then becomes your responsibility to reevaluate your lighting situation to make certain the navigation lights on your boat meet government navigational lighting requirements. You will most likely have to raise the mast light. Consider the weight of the equipment you install; be certain it is not too heavy for your sport spoiler or optional hard top.

A. Console Dimmer

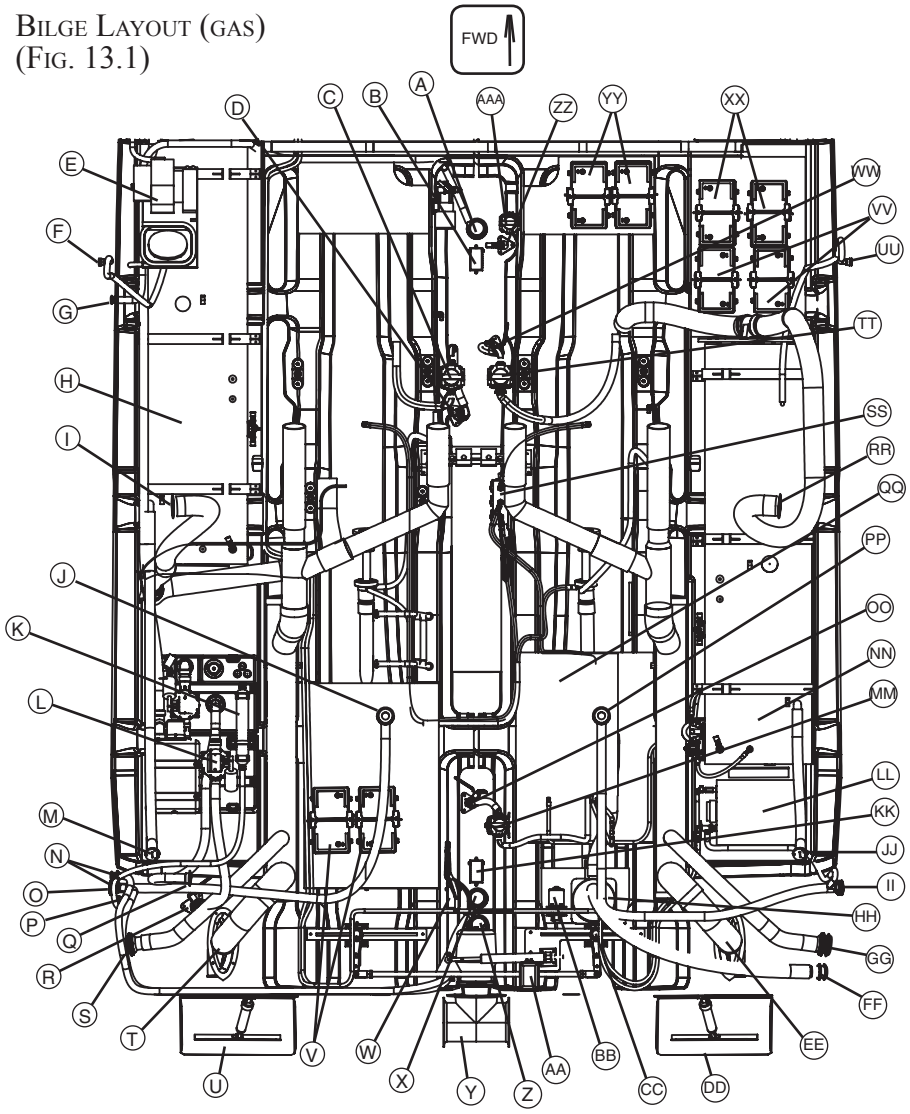
There is a DIMMER control switch located on the control station switch panel (Figure 2.9.1) which controls the intensity of the switch panel lights. The switch panel lights are energized when the navigation running lights are turned on. The gauge lights intensity is controlled by the SmartCraft™ Systems Monitor.

Navigation Lights (Fig. 12.1)


GREEN LIGHT (VISIBLE 2 NAUTICAL MILES)
RED LIGHT (VISIBLE 2 NAUTICAL MILES)
ALL-ROUND & FORWARD LIGHT, WHITE LIGHT (VISIBLE 3 NAUTICAL MILES)
STERN LIGHT, WHITE LIGHT (VISIBLE 2 NAUTICAL MILES)

15. Bilge Layout

Bilge Layout (gas)
(Fig. 13.1)



- (A) FORWARD BILGE PUMP
- (B) FORWARD FLOAT SWITCH
- (C) PORT ENGINE STRAINER
- (D) PORT ENGINE SEACOCK
- (E) SALON A/C
- (F) PORT FUEL TANK VENT
- (G) FORWARD BILGE PUMP DRAIN
- (H) PORT FUEL TANK
- (I) PORT BILGE BLOWER
- (J) COCKPIT HATCH DRAIN
- (K) HOLDING TANK VENT FILTER
- (L) MASCERATOR
- (M) PORT FUEL FILL DECK PLATE
- (N) BILGE PUMP DRAIN
- (O) COCKPIT HATCH THRU-HULL DRAIN
- (P) HOLDING TANK VENT
- (Q) WASTE PUMPOUT DECK PLATE
- (R) OVERBOARD DISCHARGE SEACOCK
- (S) PORT ENGINE BYPASS EXHAUST
- (T) PORT ENGINE UNDERWATER EXHAUST
- (U) PORT TRIM TAB
- (V) STERN THRUSTER BATTERIES
- (W) EMERGENCY HIGH WATER FLOAT SWITCH
- (X) AFT BILGE PUMP
- (Y) STERN THRUSTER
- (Z) EMERGENCY HIGH WATER BILGE PUMP
- (AA) TRIM TAB PUMP
- (BB) AUTOPILOT PUMP
- (CC) AUTOPILOT RUDDER REFERENCE ARM
- (DD) STARBOARD TRIM TAB
- (EE) STARBOARD ENGINE UNDERWATER EXHAUST
- (FF) GENERATOR EXHAUST
- (GG) STARBOARD ENGINE BYPASS EXHAUST
- (HH) GENERATOR MUFFLER
- (II) STARBOARD COCKPIT HATCH DRAIN
- (JJ) STARBORD FUEL FILL DECK PLATE
- (KK) FLOAT SWITCH
- (LL) HOT WATER TANK

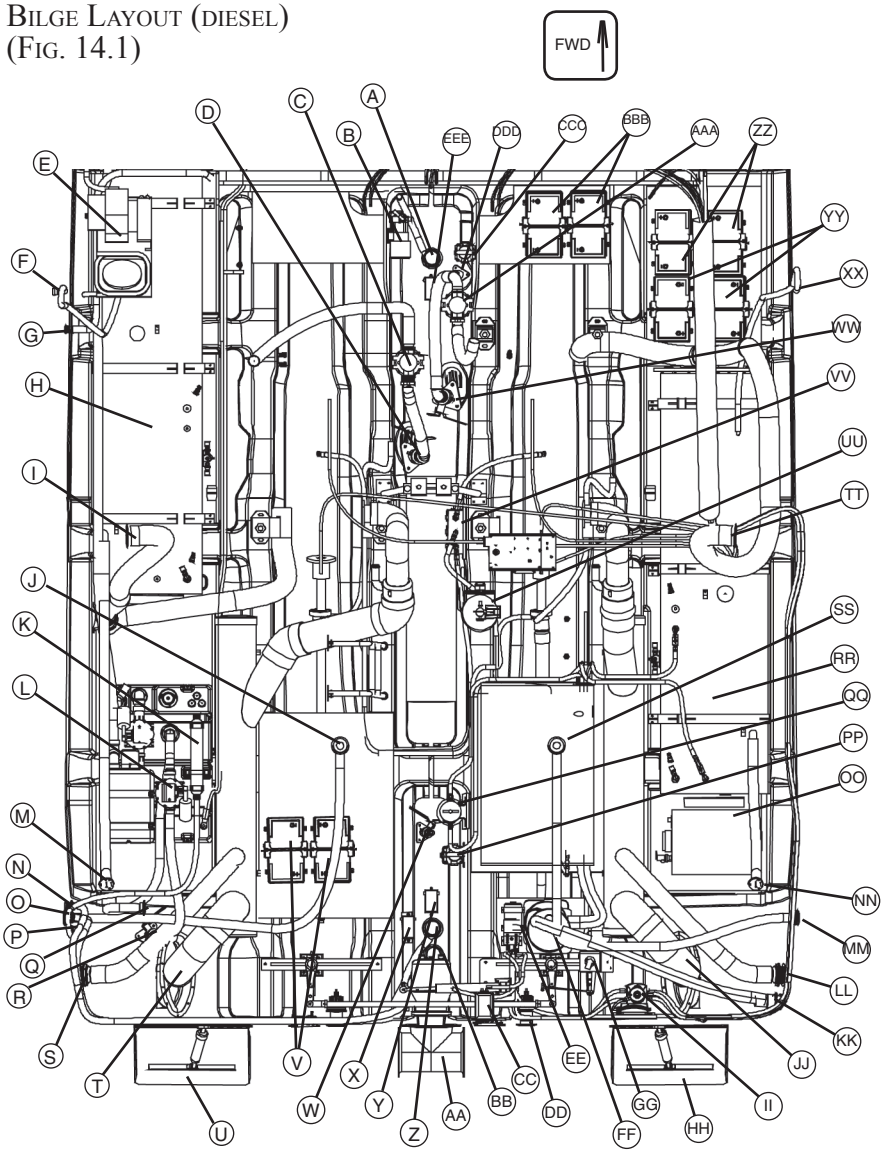
- (MM) GENERATOR STRAINER
- (NN) STARBOARD FUEL TANK
- (OO) GENERATOR SEACOCK
- (PP) STARBOARD COCKPIT HATCH DRAIN
- (QQ) GENERATOR
- (RR) STARBOARD BILGE BLOWER

- (SS) OIL EXCHANGER
- (TT) STARBOARD ENGINE STRAINER
- (UU) STARBOARD FUEL TANK VENT
- (VV) STARBOARD BATTERY BANK
- (WW) STARBOARD ENGINE SEACOCK
- (XX) PORT BATTERY BANK

- (YY) BOW THRUSTER BATTERIES
- (ZZ) A/C SYSTEM SEACOCK
- (AAA) A/C SYSTEM STRAINER

Bilge Layout (Cont'd)

Bilge Layout (diesel)
(Fig. 14.1)



- (A) FORWARD BILGE PUMP
- (B) A/C SYSTEM PUMP
- (C) PORT ENGINE STRAINER
- (D) PORT ENGINE SEACOCK
- (E) SALON A/C
- (F) PORT FUEL TANK VENT
- (G) FORWARD BILGE PUMP DRAIN
- (H) PORT FUEL TANK
- (I) PORT BILGE BLOWER
- (J) COCKPIT HATCH DRAIN
- (K) HOLDING TANK VENT FILTER
- (L) MASCERATOR
- (M) PORT FUEL FILL DECK PLATE
- (N) BILGE PUMP DRAIN
- (O) COCKPIT HATCH THRU-HULL DRAIN
- (P) HOLDING TANK VENT
- (Q) WASTE PUMPOUT DECK PLATE
- (R) OVERBOARD DISCHARGE SEACOCK
- (S) PORT ENGINE BYPASS EXHAUST
- (T) PORT ENGINE UNDERWATER EXHAUST
- (U) PORT TRIM TAB
- (V) STERN THRUSTER BATTERIES
- (W) GENERATOR SEACOCK
- (X) EMERGENCY HIGH WATER FLOAT SWITCH
- (Y) AFT BILGE PUMP FLOAT SWITCH
- (Z) AFT BILGE PUMP
- (AA) STERN THRUSTER
- (BB) EMERGENCY HIGH WATER BILGE PUMP
- (CC) TRIM TAB PUMP
- (DD) TRANSOM LIGHT
- (EE) AUTOPILOT PUMP
- (FF) GENERATOR MUFFLER
- (GG) AUTOPILOT RUDDER REFERENCE ARM
- (HH) STARBOARD TRIM TAB
- (II) POWER STEERING PUMP
- (JJ) STARBOARD ENGINE UNDERWATER EXHAUST
- (KK) GENERATOR EXHAUST
- (LL) STARBOARD ENGINE BYPASS EXHAUST
- (MM) STARBOARD COCKPIT HATCH DRAIN
- (NN) STARBORD FUEL FILL DECK PLATE
- (OO) HOT WATER TANK
- (PP) GENERATOR STRAINER
- (QQ) GENERATOR FUEL FILTER
- (RR) STARBOARD FUEL TANK
- (SS) STARBOARD COCKPIT HATCH DRAIN
- (TT) STARBOARD BILGE BLOWER
- (UU) STARBOARD ENGINE FUEL FILTER
- (VV) OIL EXCHANGER
- (WW) STARBOARD ENGINE SEACOCK
- (XX) STARBOARD ENGINE FUEL VENT
- (YY) STARBOARD ENGINE BATTERIES
- (ZZ) PORT ENGINE BATTERIES
- (AAA) STARBOARD ENGINE STRAINER
- (BBB) BOW THRUSTER BATTERIES
- (CCC) A/C SYSTEM STRAINER
- (DDD) A/C SYSTEM SEACOCK
- (EEE) FLOAT SWITCH

16. Fuel System

A. Gasoline Fuel System

The 36DB has two (2) aluminum fuel tanks with a capacity of 150 gallons (567.8 liters) each, for a total capacity of 300 gallons (1,135.6 liters). The fuel fill inlets are located on the port & starboard gunwales outboard of the swim platform.

B. Diesel Fuel System (Optional)

The diesel fuel system consists of two fuel tanks with a total capacity of 300 gallon (1,135.6 liters), fuel tank vent, shut-off valve, engine fuel supply and return line, fuel filters and fuel fills.

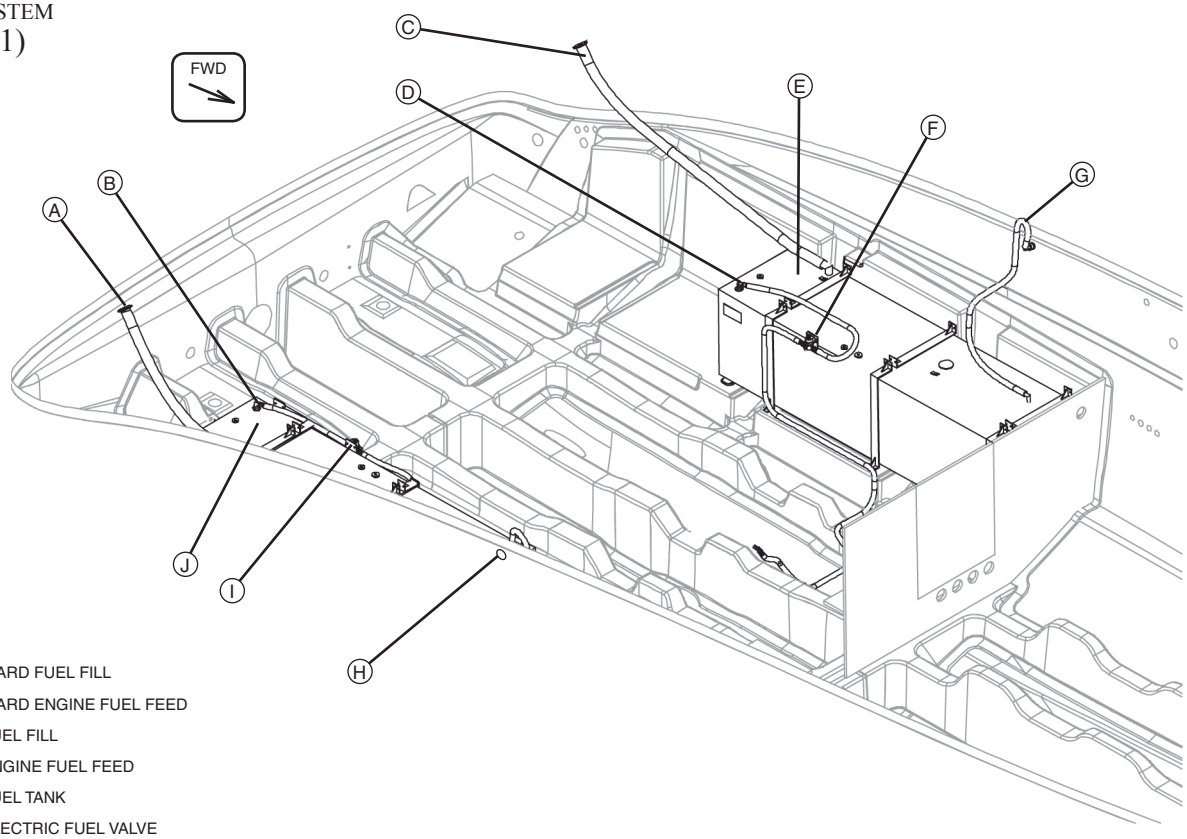
17. Recommended Batteries

The following table describes the recommended marine cranking batteries to install in your boat. All batteries should be of the same type, age & rating.

Application	Group	Volts	CCA*	Reserve	Qty.
Engines	31	12	800	200	1
*COLD CRANKING AMPS					

RECOMMENDED BATTERY:
DOUGLAS BATTERY TYPE: 31DCM, ITEM NUMBER: 989 OR EQUIVALENT
DIMENSIONS: 13" x $6^{13}/_{16}$" x $10^{1}/_{16}$"

Fuel System
(Fig. 15.1)



Ⓐ STARBOARD FUEL FILL
Ⓑ STARBOARD ENGINE FUEL FEED
Ⓒ PORT FUEL FILL
Ⓓ PORT ENGINE FUEL FEED
Ⓔ PORT FUEL TANK
Ⓕ PORT ELECTRIC FUEL VALVE
Ⓖ PORT THRU-HULL FUEL VENT
Ⓗ STARBOARD THRU-HULL FUEL VENT
Ⓘ STARBOARD ELECTRIC FUEL VALVE
Ⓙ STARBOARD FUEL TANK

18. Fire Extinguishing System

The 36 DB is equipped with an automatic fire extinguisher system located forward of the engines on the bulkhead . In the event of a fire, the heat sensitive automatic head will release the extinguishant as a vapor, totally flooding the area in fire-killing concentrations. The system indicator light is wired to the ignition and is turned ON when the ignition is turned ON.

19. Entertainment Centers

The entertainment equipment in the salon and staterooms vary from boat to boat. Refer to the Owner's Manual Packet to find individual instructions for the equipment installed on your boat.

A. TV Signal Selector

The antenna/cable selector panel is located in the cabinet below the salon television. Turn the selector to MAX GAIN for onboard TV antenna reception. Turn the selector to SHORE for dockside cable reception. The selector is powered through the fuse block behind the salon DC Distribution Panel.

TV Signal Selector & Antenna Tuner
(Fig. 16.1)

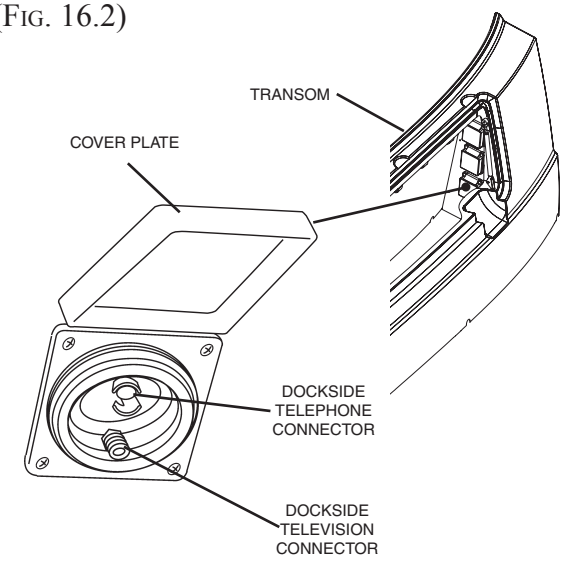
B. Dockside Telephone/Television Hookup

For television reception dockside, attach the dockside television cable to the inlet located in the starboard transom hatch.

To Connect Cable Television:

1. Unscrew and lift cover plate.
2. Screw the TV coax cable into the TV cable connector.
3. Run the cable to the dockside receptacle and screw coax cable into receptacle.

Dockside TV & Telephone Connection
(Fig. 16.2)



To Connect Telephone System:

1. Lift cover plate.
2. Connect shore cord to dock telephone inlet and then to the boat inlet.
3. Telephone system is now operational.

There are telephone jacks located in the master stateroom and salon.

REFER TO OWNER'S MANUAL PACKET FOR INSTRUCTIONS AND WARRANTY INFORMATION.

20. MPDS

The Multi-plexed Power Distribution System, (MPDS) ties together existing power distribuion subsystems of the boat, providing the boat owner with a user-friendly monitoring and control system.

The MPDS is located in the Main Distribution Panel located in the cabin and allows you to control:

AC Systems
DC Power Systems
Lighting Systems
Generator
Fresh & Waste Water Tanks
as well as Helm Monitoring.

A. Water Tank

The 36 DB has one (1) 75 gallon (284 liter) water tank located forward of the engine bulkhead under the salon sofa.

(Fig. 17.1)

To check the water level in the tank, press the TANKS indicator on the main module in the galley or the ESIP in the salon and scroll the menu for water tank information.

B. Water Pump

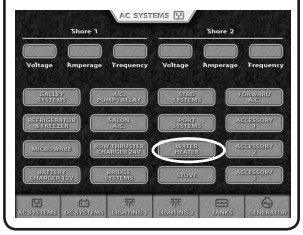
The fresh water system pump and filter is located on the aft wall of the equipment room under the salon steps. Turn on by touching the FRESH WATER button on the ESIP panel in the salon.

(Fig. 17.2)

C. Water Heater

The 6 gallon (22.7) liters) water heater is located in the starboard bilge. It operates on the 120 volt shore power system or generator. A touch button on the AC System page on the ESIP in the salon activates the water heater.

(Fig. 17.3)

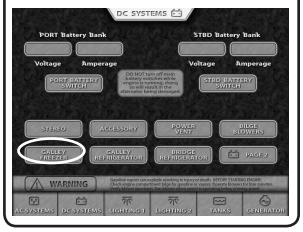


The water heater has a check valve to prevent hot water from back-washing into the cold water source and a pressure relief valve to avoid damage to the heater from over pressure or excessive temperature.

D. Gray Water Sump

The gray water from the shower and galley systems plus the forward stateroom air conditioner condensation is carried to the shower sump or common drains by the gray water drain lines located throughout the boat.

(Fig. 17.4)



The sump pump is fully automatic and is protected by a breaker on the main breaker panel on the forward engine room component board. Check the pump and float switch for obstructions and proper working order.

The pump comes on when there is enough water in the sump to raise the float switch and start the pump. If it does not come on after one or two gallons of water drain from the shower, turn the water off and check the pump and float switch for proper operation.

After using the shower, it is recommended that you run a gallon of clean water through the shower drain to clean out soap residue. Check the pump and float switch for obstructions and proper working order.

21. MACERATOR DISCHARGE PUMP W/ SEACOCK INTERLOCK SYSTEM (OPTIONAL)

(FIG. 18.1)

The optional macerator gives the boat operator the means of discharging the holding tank contents directly overboard through a seacock in the bottom of the hull. This is available in conjunction with the dockside pump out.

(FIG. 18.2)

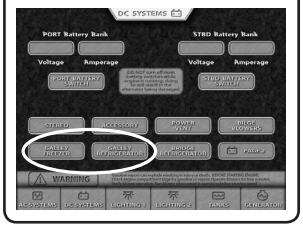
Since direct overboard discharge is prohibited in many areas, the macerator seacock is normally closed. The macerator seacock is equipped with a system interlock switch which prevents the operation of the macerator when the macerator seacock is closed. The ENABLE button on the ESIP in the salon will be lighted when the macerator is operational. If the light is not lighted, it is visual confirmation the macerator seacock is closed and that the macerator cannot be operated. Check that the macerator seacock handle is in the open position and the light on the switch is lighted before operating the macerator.

TO OPERATE THE MACERATOR:

1. Touch and release the ENABLE button on the ESIP in the salon and open the overboard discharge seacock located on the bilge floor .
2. Touch and release the PUMP button on the ESIP.
3. When tank is empty, turn off the switch, touch the ENABLE button to turn the system off and close the waste discharge seacock.

22. REFRIGERATOR & FREEZER

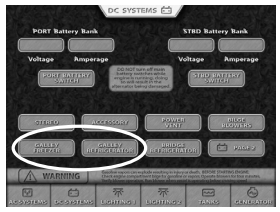
(FIG. 18.3)



The refrigerator/freezer unit located in the galley is supplied power by the REFRIGERATOR/ FREEZER button on the salon 120 volt DCdistribution panel. To operate dockside, connect the shore power system, turn the MAIN breaker(s) ON. Then touch and release the REFRIGERATOR/ FREEZER button on the AC systems page on the ESIP.

A. COCKPIT ICE MAKER (OPTIONAL)

(FIG. 18.4)



The cockpit ice maker is located on the portside of the cockpit in the wall of the bridge steps. To operate, touch and release the REFRIGERATOR/ FREEZER button on the DC systems page on the ESIP.

(FIG. 18.5)

TO START ICE MAKER:

1. Make sure water tank is full.
2. Turn the fresh water pump ON by touching and releasing the FRESH WATER button on the tanks page on the ESIP panel in the salon.
3. Turn ON ice maker switch, located at the bottom of the unit. Allow unit to cycle several times before using ice. Refer to water system for more information.

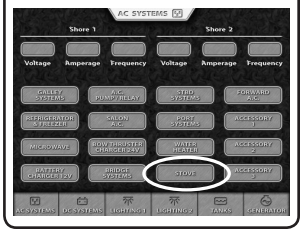
REFER TO OWNER'S Manual PACKET FOR INSTRUCTIONS AND WARRANTY INFORMATION

23. STOVE & MICROWAVE

A. ELECTRIC STOVE

To power the 120 V galley stove, touch and release the STOVE button on the AC page on the ESIP,(Fig. 19.1).

(FIG. 19.1)



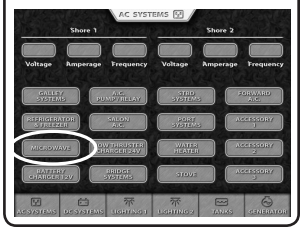
The stove has two (2) burners with control knobs to provide a variation of heat.

REFER TO OWNER'S MANUAL PACKET FOR INSTRUCTIONS AND WARRANTY INFORMATION.

B. MICROWAVE/CONVECTION OVEN

The microwave/convection oven is located in the center upper cabinet in the galley. To power the microwave, touch and release the MICROWAVE button on the ESIP in the salon, (Fig. 19.2).

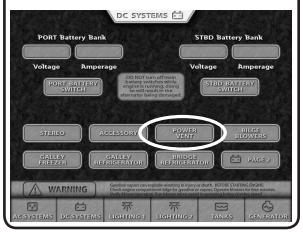
(FIG. 19.2)



24. POWER VENTILATION SYSTEM

The power ventilation system removes stagnant & foul air from the master stateroom head, guest head and galley by means of 12 volt exhaust fans. They are powered by the POWER VENT button on the salon distribution panel, (Fig. 19.3)

(FIG. 19.3)



and individually turned on and off by the power vent switch in the head and VENT button on the Main Control Module in the galley, (Fig. 19.4).

(FIG. 19.4)

25. SPOTLIGHT

The 36DB spotlight is mounted on the bow.

TO OPERATE THE SPOTLIGHT:

1. Touch and release the SPOTLIGHT button on the ESIP panel in the salon.
2. Press the POWER button on the spotlight pad to turn on the spotlight.

(FIG. 19.5)

3. Press SPEED button to adjust the movement speed of the spotlight.

REFER TO OWNER'S MANUAL PACKET FOR INSTRUCTIONS AND WARRANTY INFORMATION.

26. Canvas

Aft Curtain

The Aft Curtain extends over the cockpit area and may be used while underway or as a storage cover.

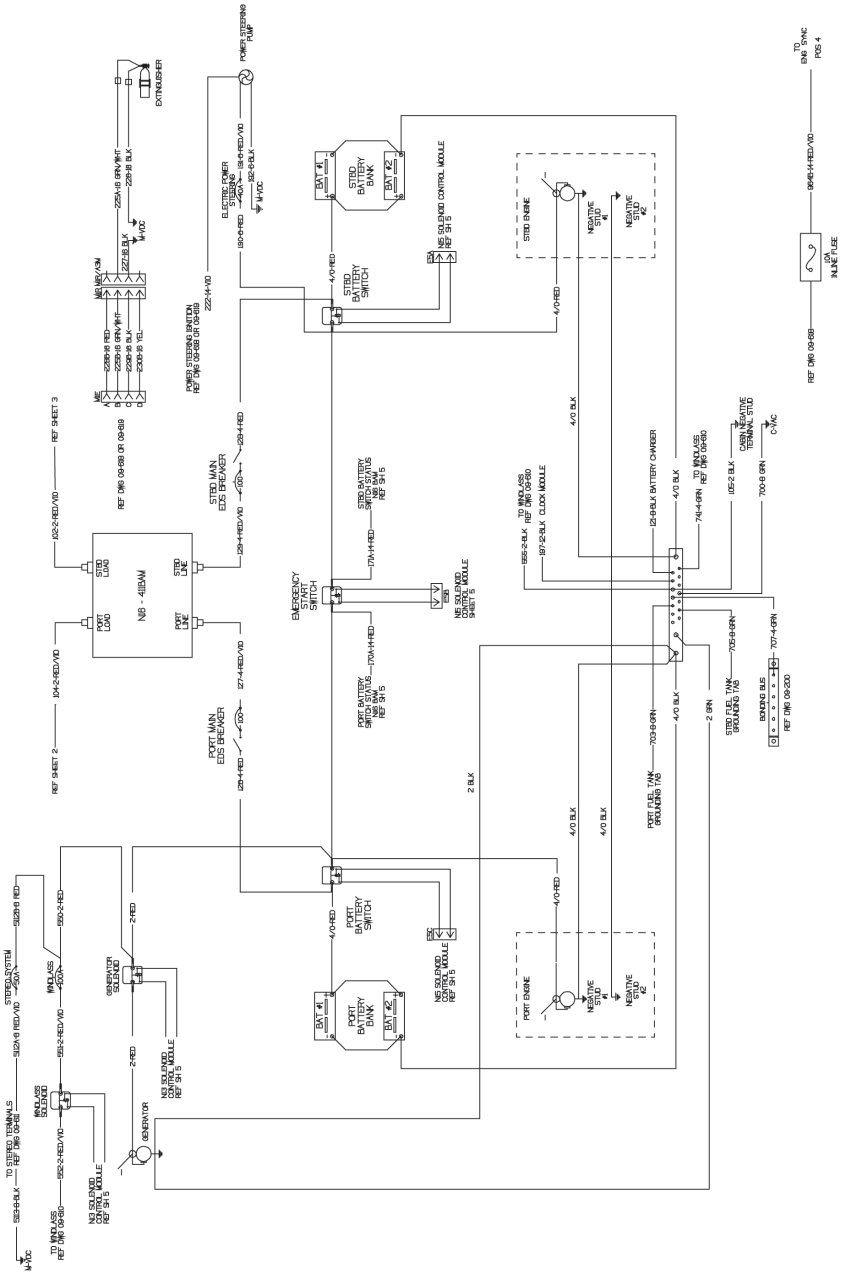
Zip Aft Curtain to zipper track on aft edge of spoiler or hardtop approximately six (6) inches on both sides of center. Next snap the center snap of curtain at transom and continue to snap along both sides. Complete installation by zipping up aft curtain.

REFER TO OWNER'S Manual PACKET FOR INSTRUCTIONS AND WARRANTY INFORMATION.

27. Electrical Schematics

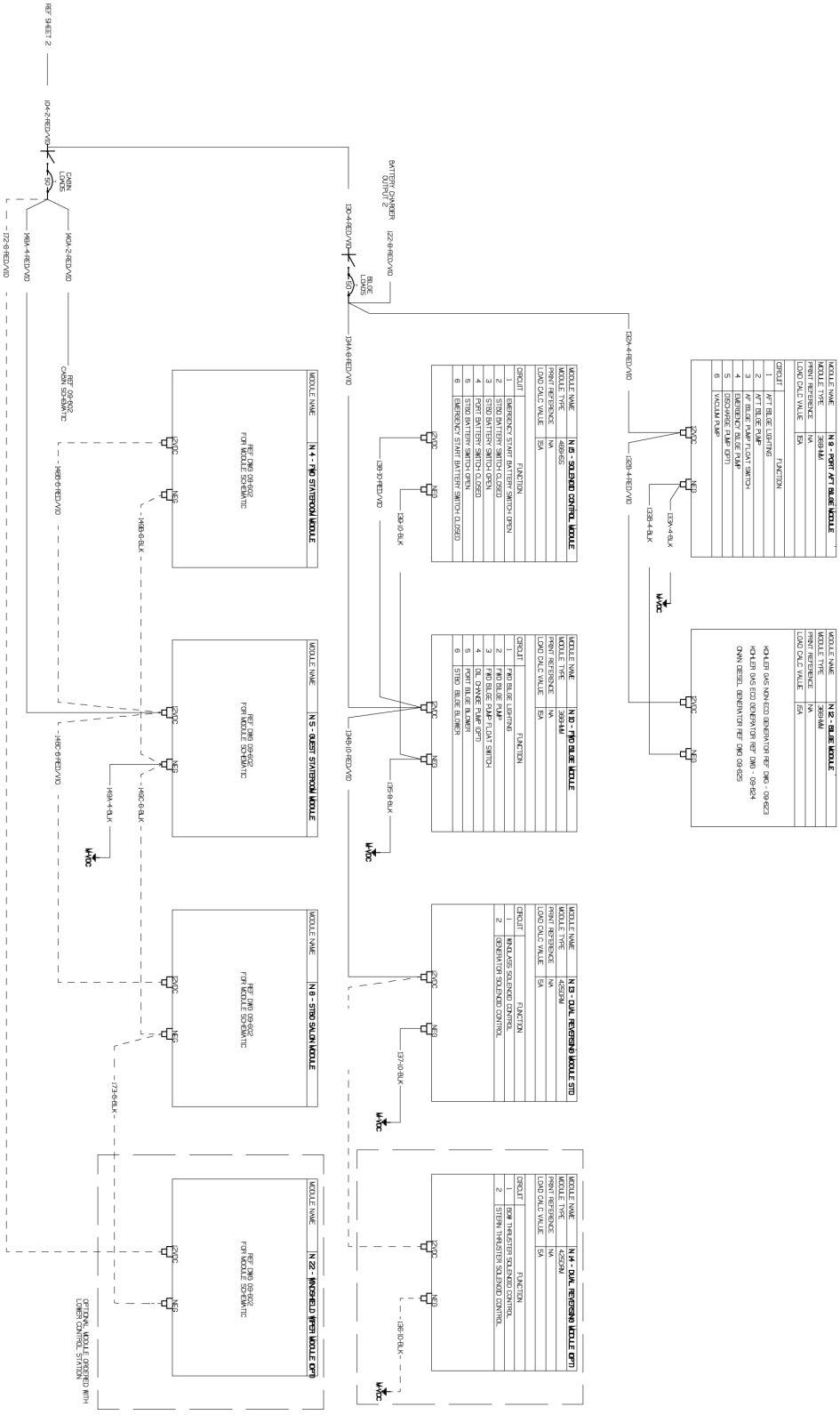
This owner's manual contains electrical schematics and wiring harness illustrations for your boat. These electrical schematics were generated by electrical CAD designers at the engineering division for technical reference and service technicians. Sea Ray® does not recommend that you attempt to work on the boat's electrical system yourself. Instead, we recommend that you take your boat to your authorized Sea Ray® dealer for service. Sea Ray® reserves the right to change or update the electrical system on any model at any time without notice to the consumer and is NOT obligated to make any updates to units built prior to changes.

DC Wiring Schematics
drawing no. 09-601 (1 of 7)
(Fig. 21.1)

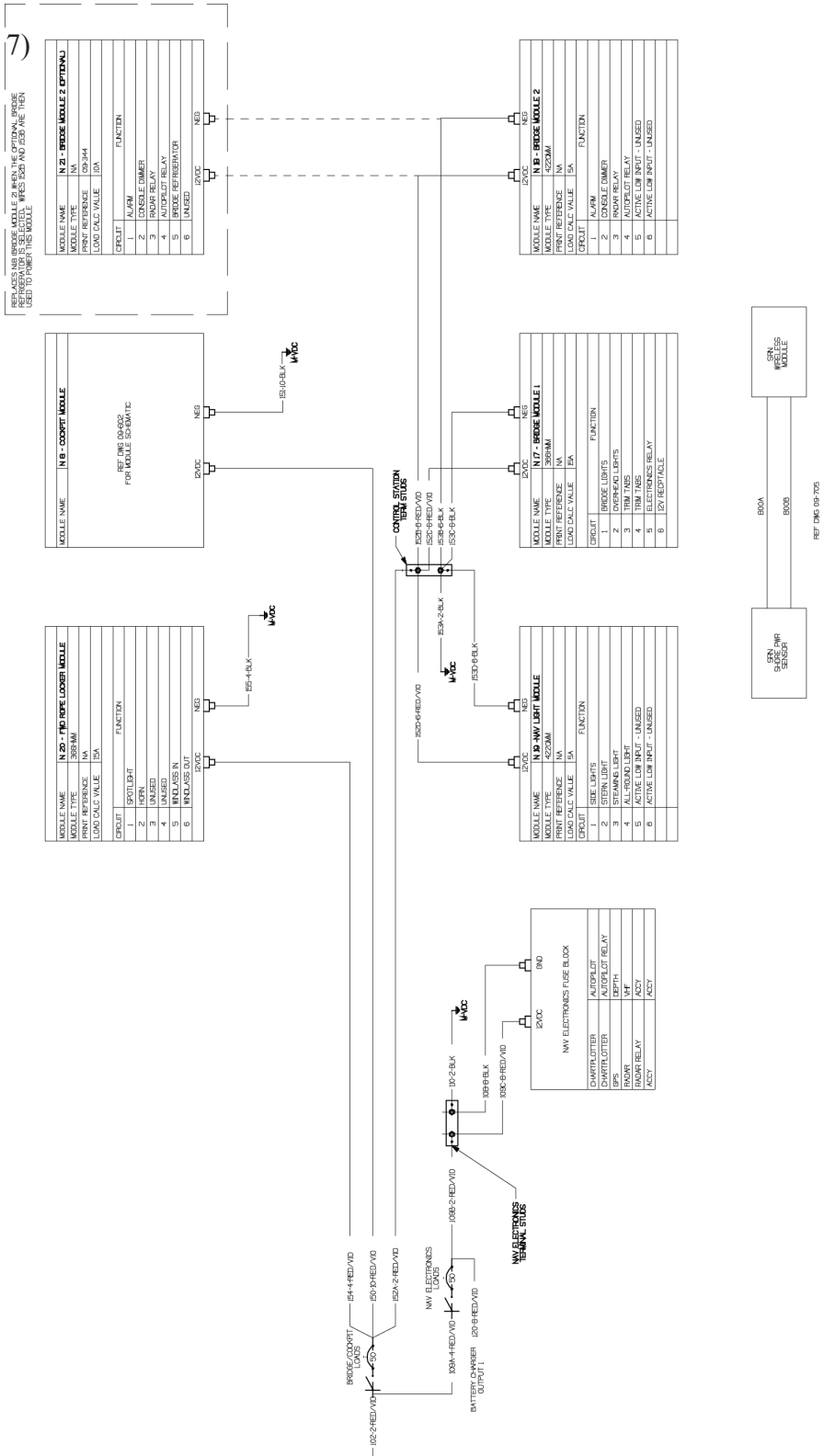


Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

DC WIRING SCHEMATICS
DRAWING NO. 09-601 (2 OF 7)
(FIG. 22.1)

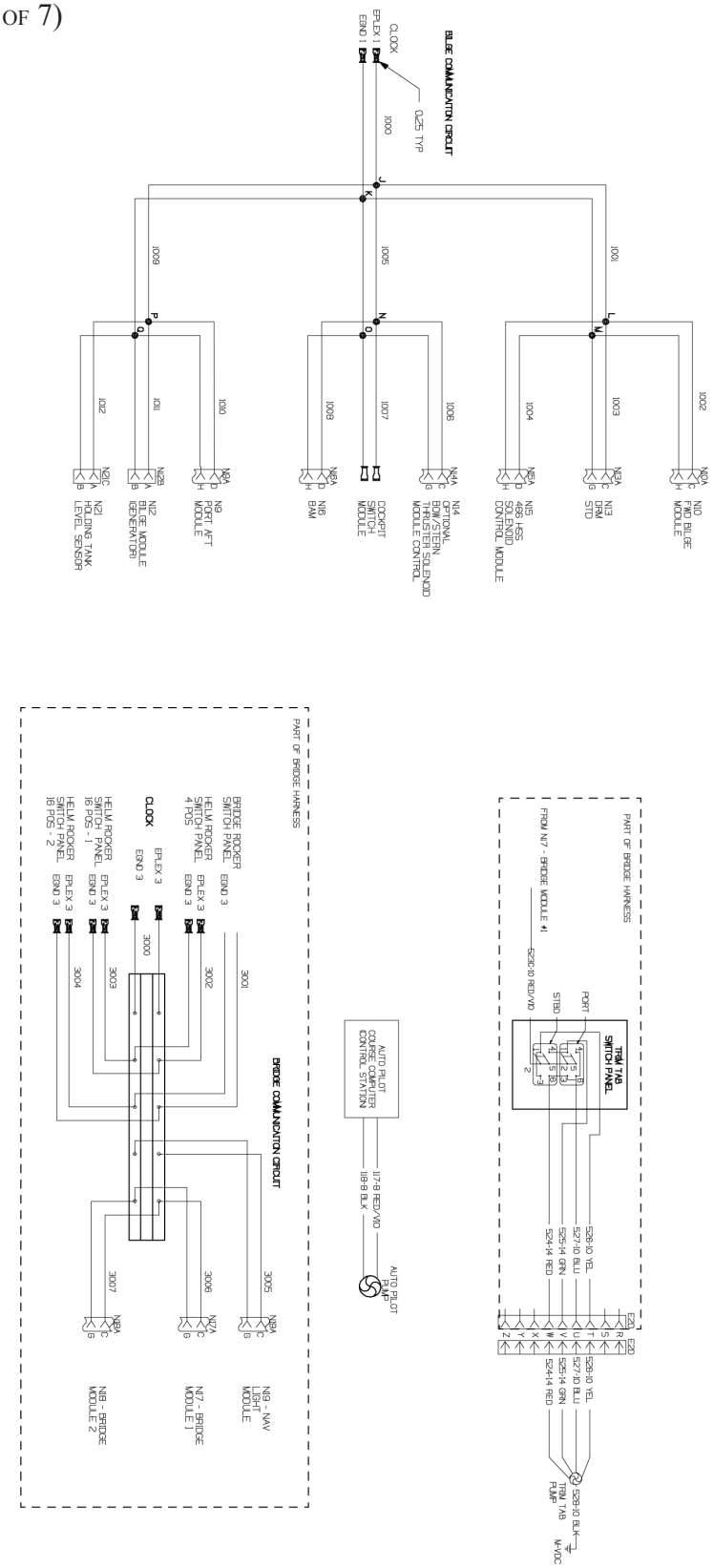

REF SHEET 2
104-2-RED/YEL
CABIN LOADS
BATTERY CHARGER OUTPUT 2
122-8-RED/YEL
130-4-RED/YEL
BLUE LOADS
134A-6-RED/YEL
132A-4-RED/YEL
132B-4-RED/YEL
133A-4-BLK
133B-4-BLK
M
M
M

DC WIRING SCHEMATICS
DRAWING NO. 09-601 (3 OF 7)
(FIG. 23.1)


N 2 - BRIDGE MODULE 2 (OPTIONAL)
N 8 - COOPRT MODULE
N 9 - BRIDGE MODULE 2
N 17 - BRIDGE MODULE 1
N 20 - FWD ANCHOR LOCKER MODULE
N 19 -NAV LIGHT MODULE
NAV ELECTRONICS FUSE BLOCK
CONTROL STATION TERM STUDS
NAV ELECTRONICS TERM STUDS
BRIDGE/COOPRT LOADS
NAV ELECTRONICS LOADS
BATTERY CHARGER OUTPUT 1
GRN BRIDGE PWR SENSOR
GRN WIRELESS MODULE
REF DWG 09-705
REF SHEET 3

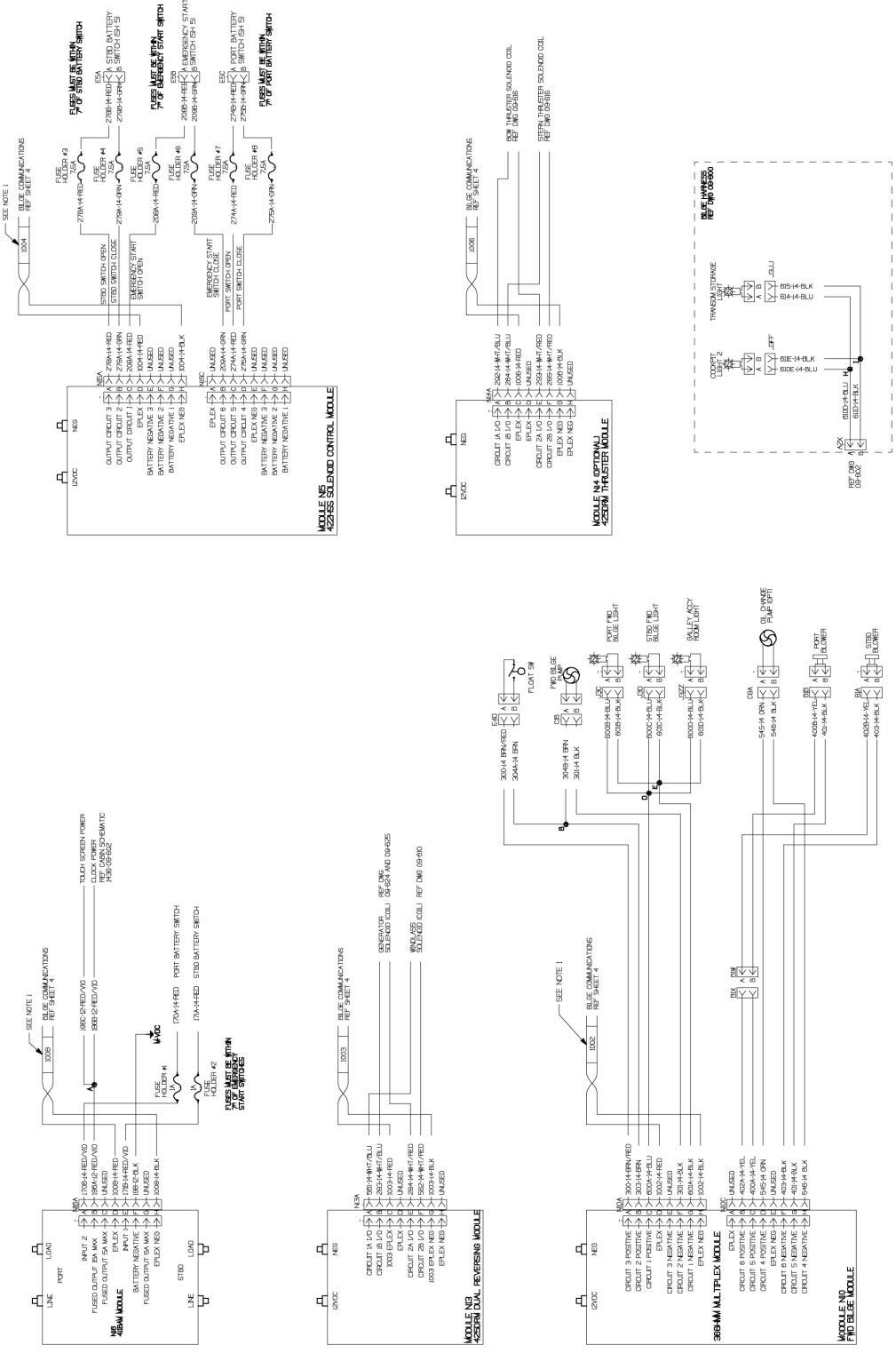
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

DC Wiring Schematics
drawing no. 09-601 (4 of 7)
(Fig. 24.1)



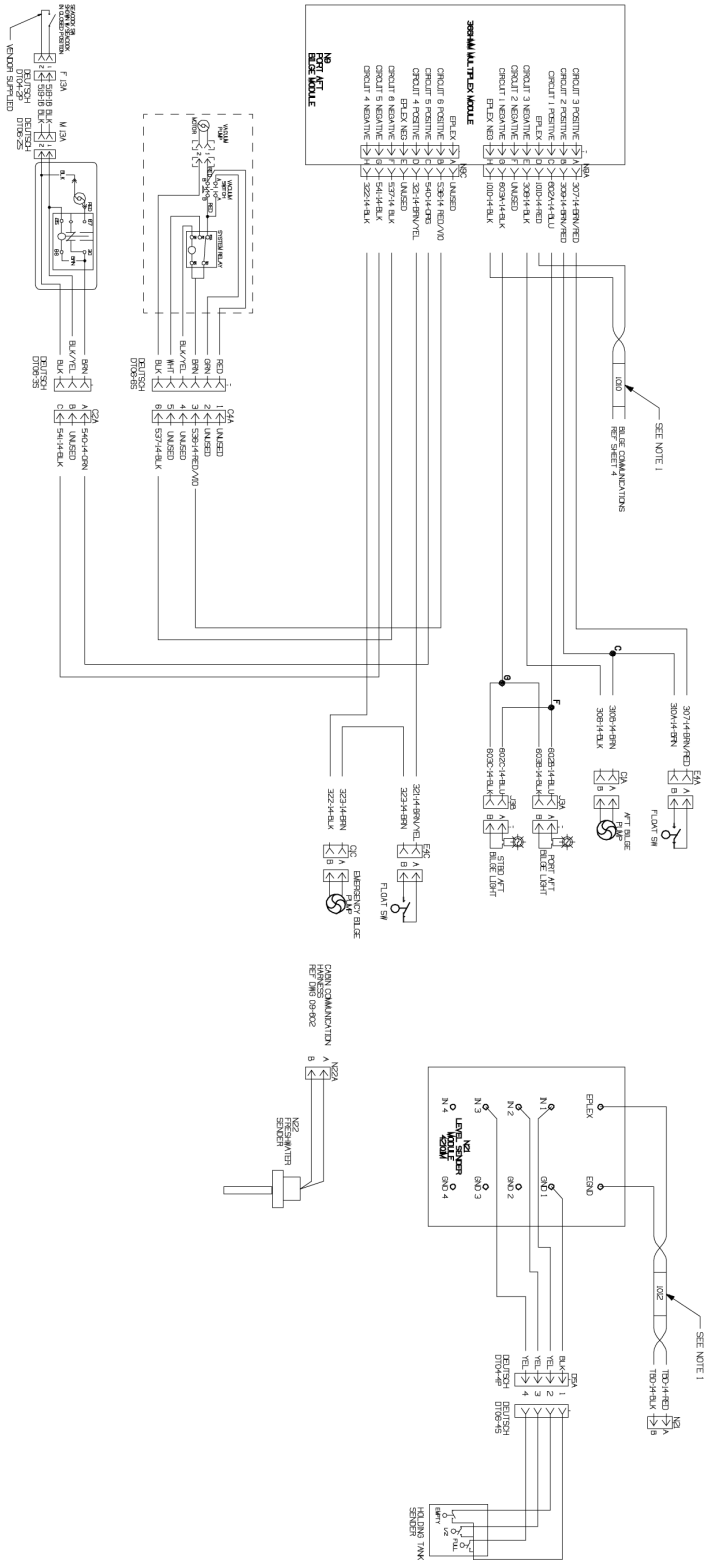
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

DC Wiring Schematics
drawing no. 09-601 (5 of 7)
(Fig. 25.1)



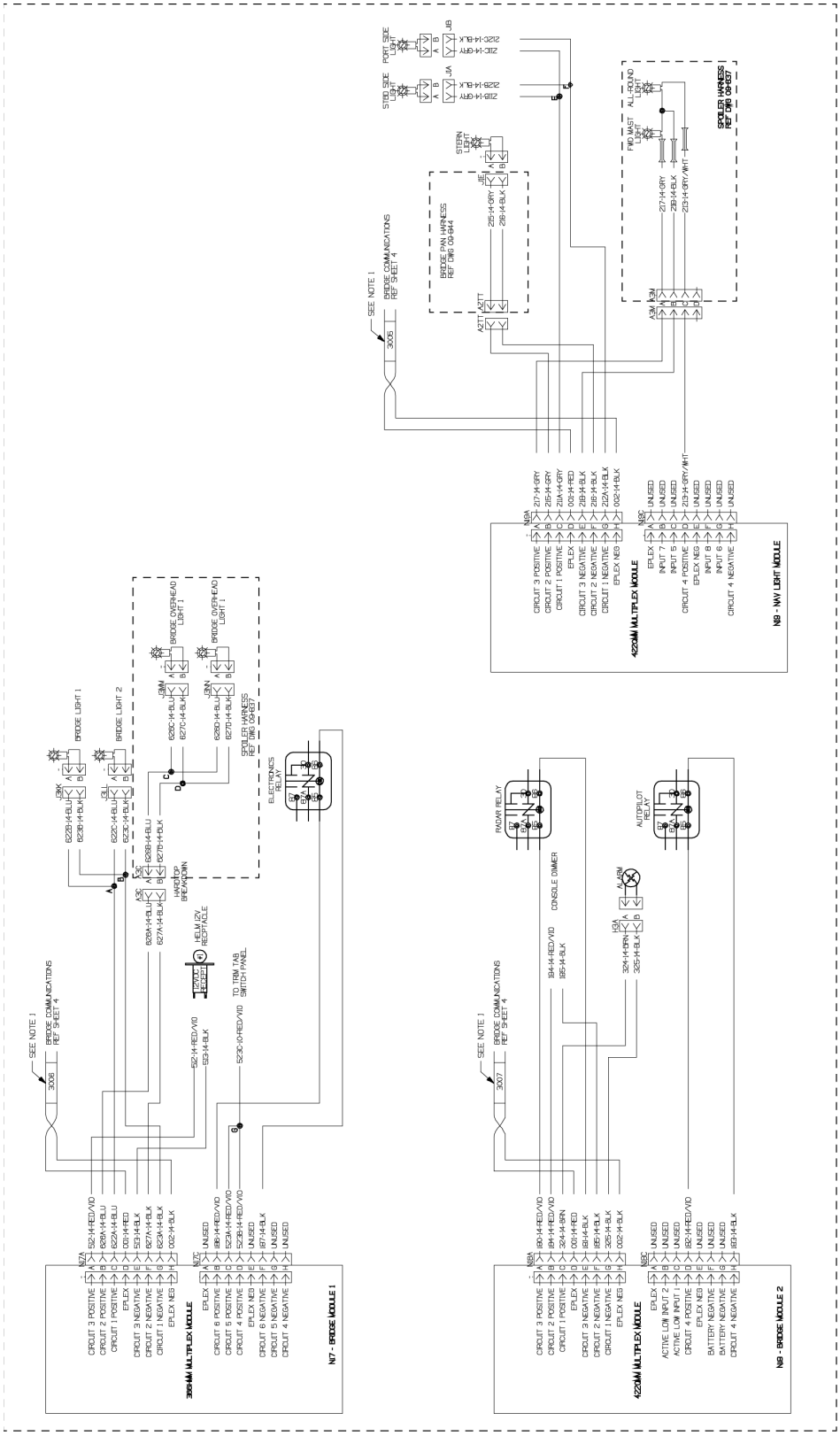
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

DC WIRING SCHEMATICS
DRAWING NO. 09-601 (6 OF 7)
(FIG. 26.1)



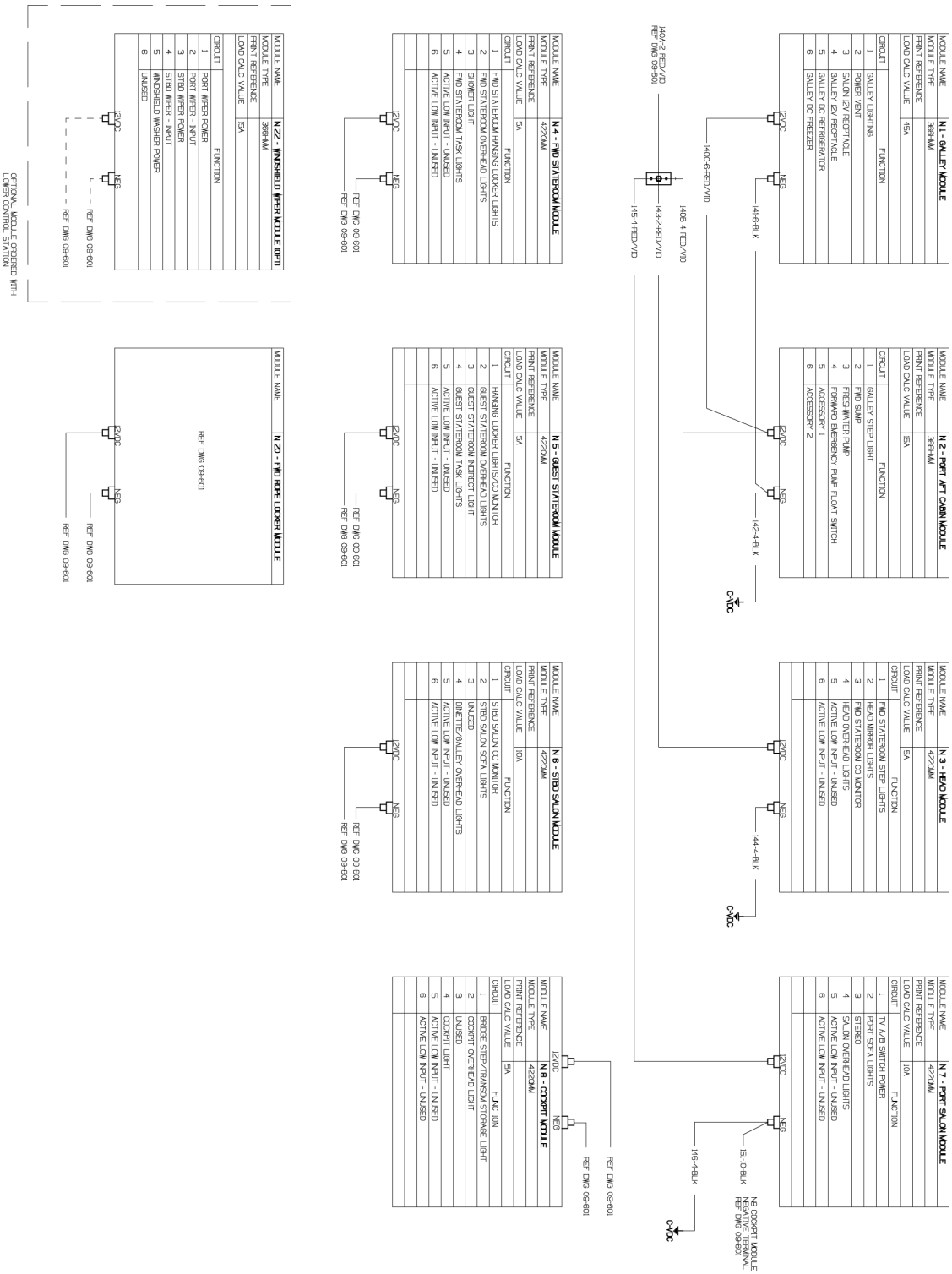
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

DC WIRING SCHEMATICS
DRAWING NO. 09-601 (7 OF 7)
(FIG. 27.1)



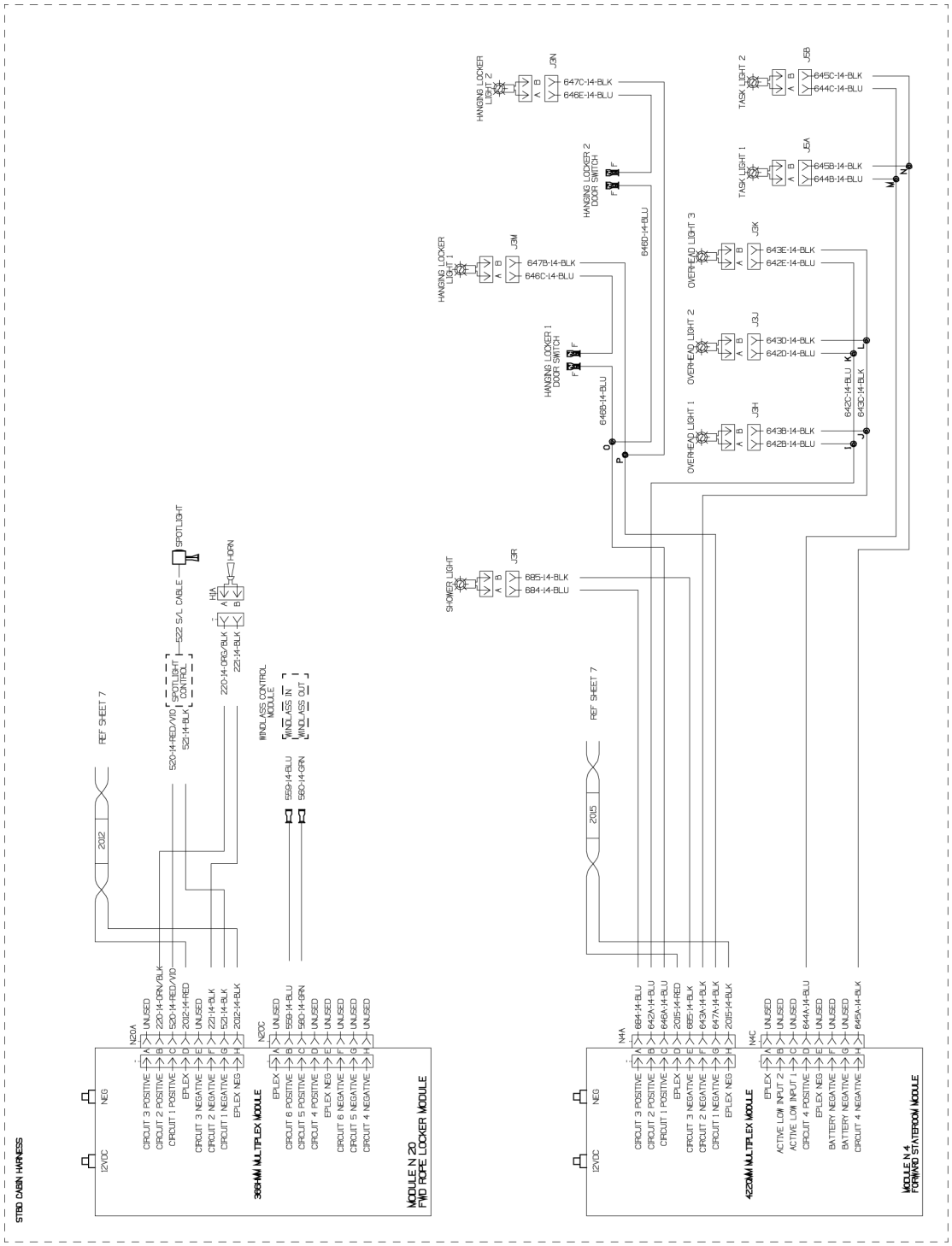
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Cabin DC Wiring Schematics
drawing no. 09-602
(Fig. 28.1)



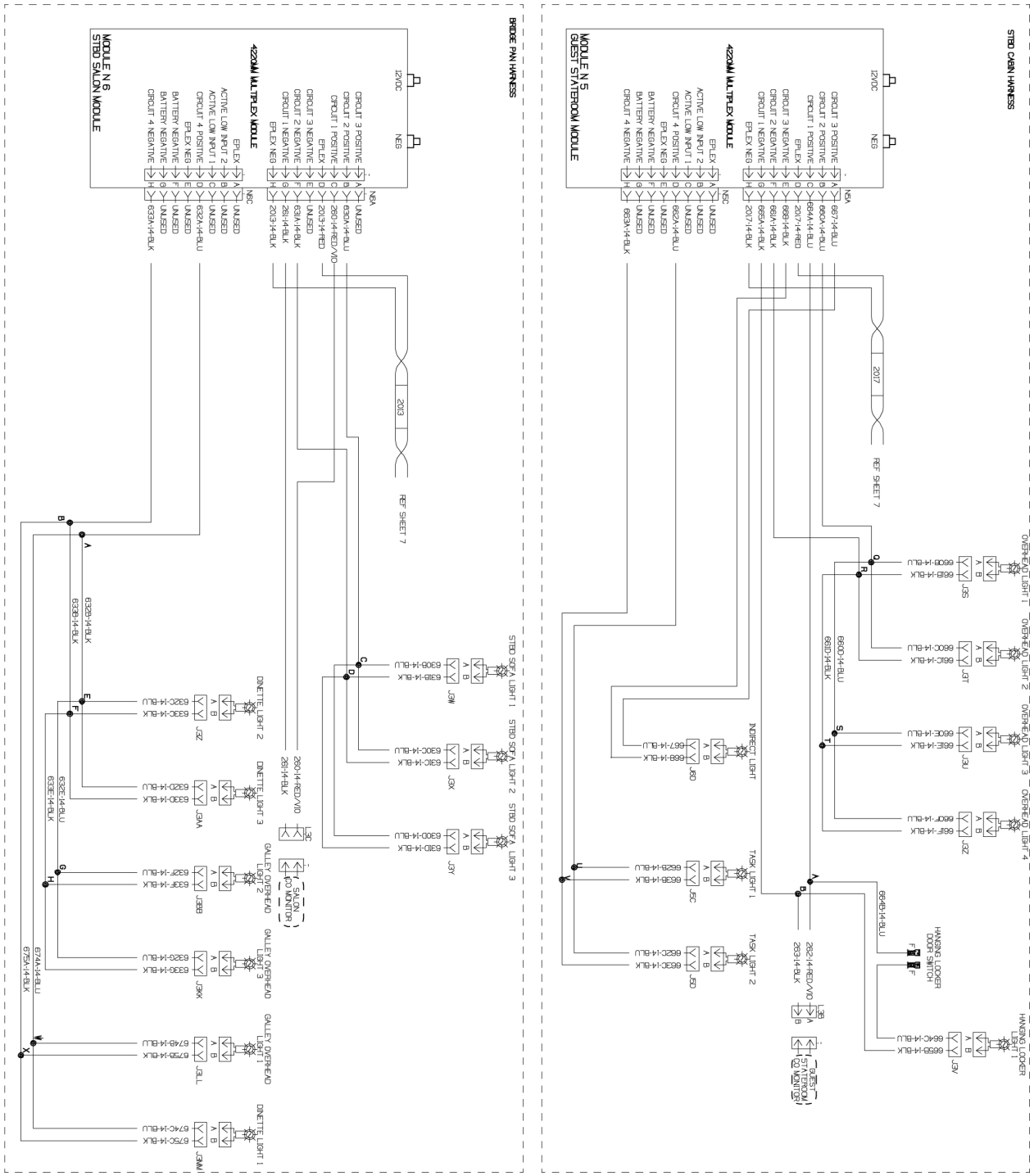
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

CABIN DC WIRING SCHEMATICS
DRAWING NO. 09-602
(FIG. 29.1)



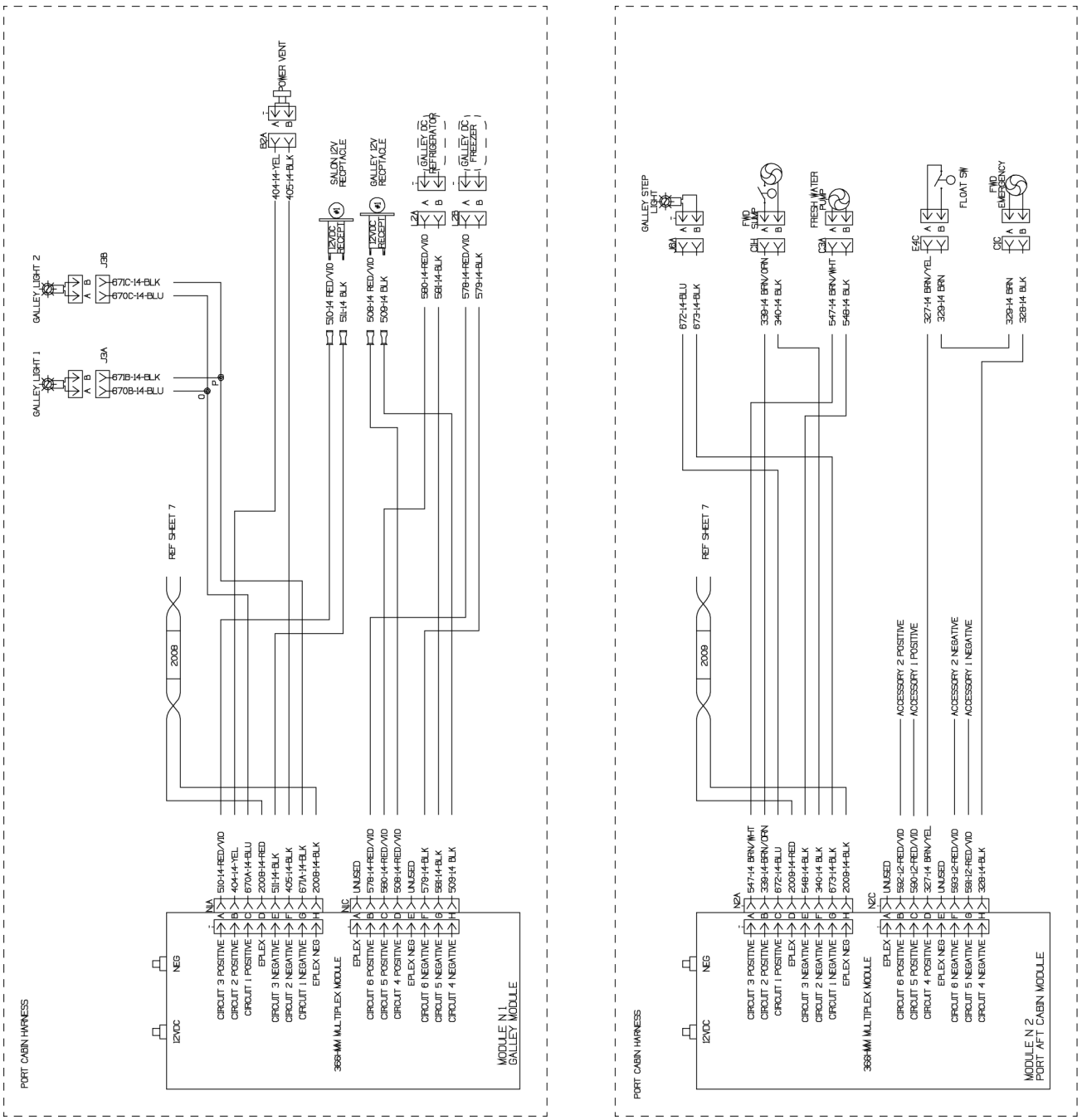
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Cabin DC Wiring Schematics
drawing no. 09-602
(Fig. 30.1)



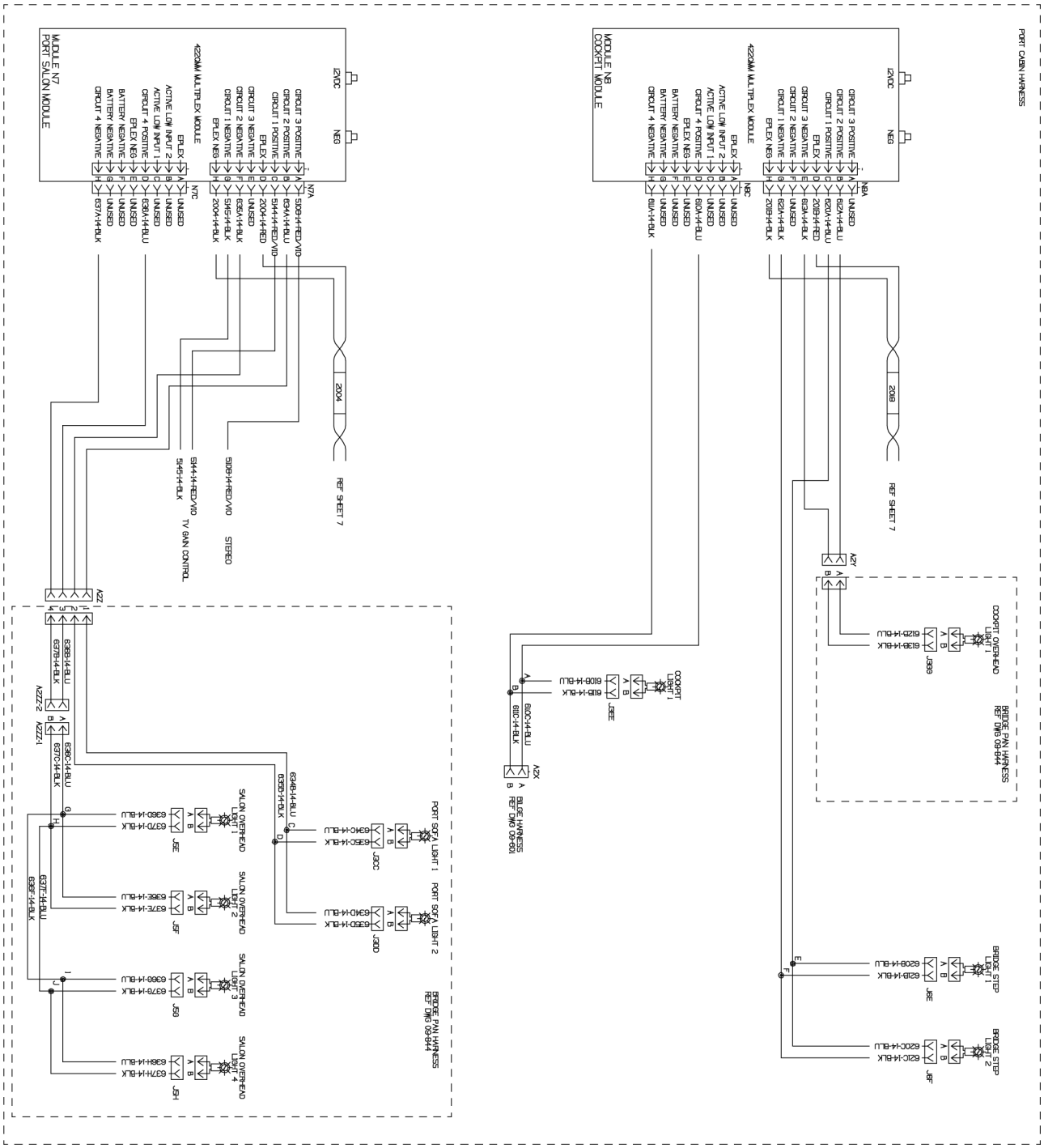
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

CABIN DC WIRING SCHEMATICS
DRAWING NO. 09-602
(FIG. 31.1)



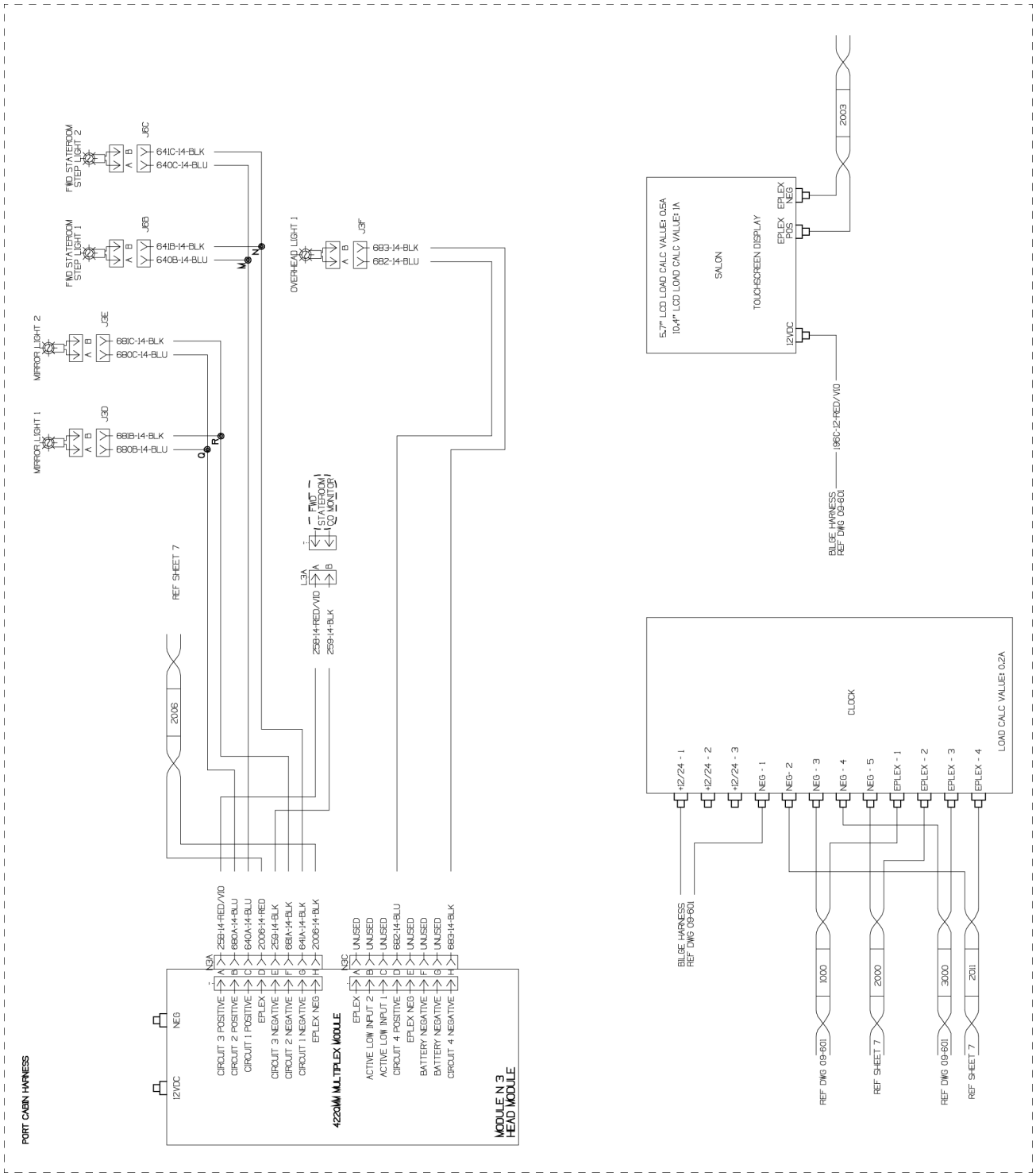
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Cabin DC Wiring Schematics
drawing no. 09-602
(Fig. 32.1)



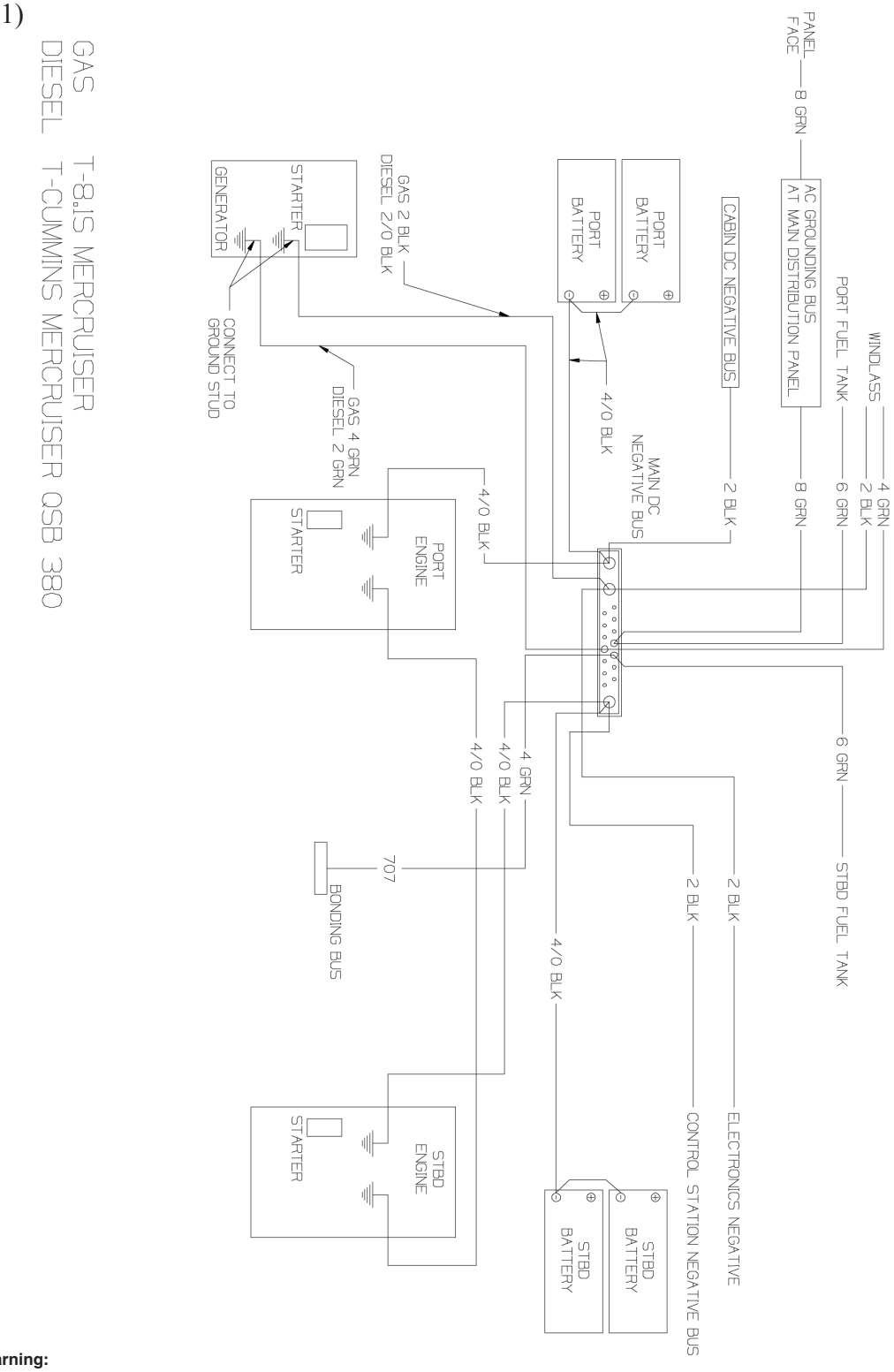
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

CABIN DC WIRING SCHEMATICS
DRAWING NO. 09-602
(FIG. 33.1)



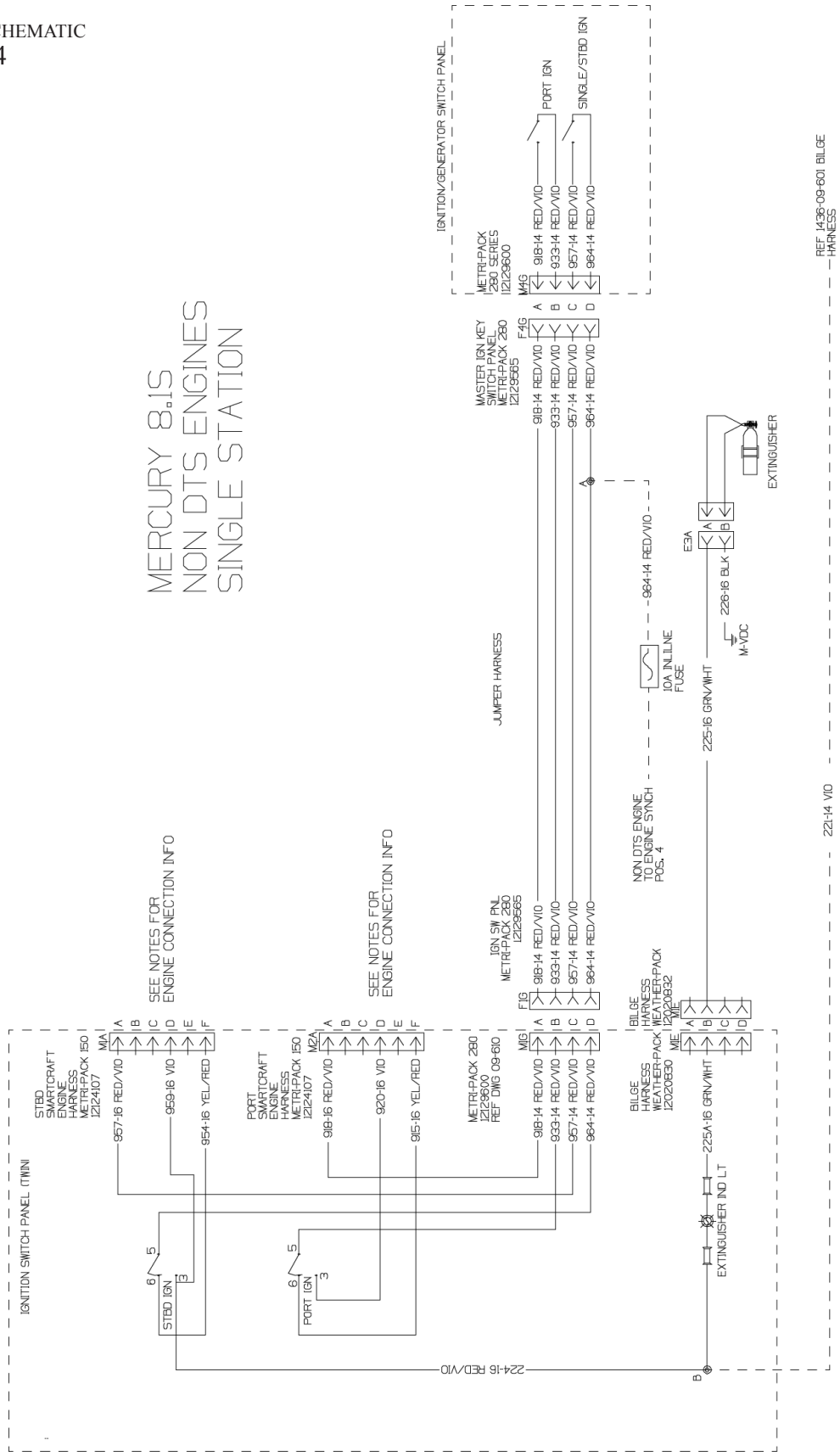
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Main Negatives, Grounding and Bonding Schematic
drawing no. 09-603
(Fig. 34.1)



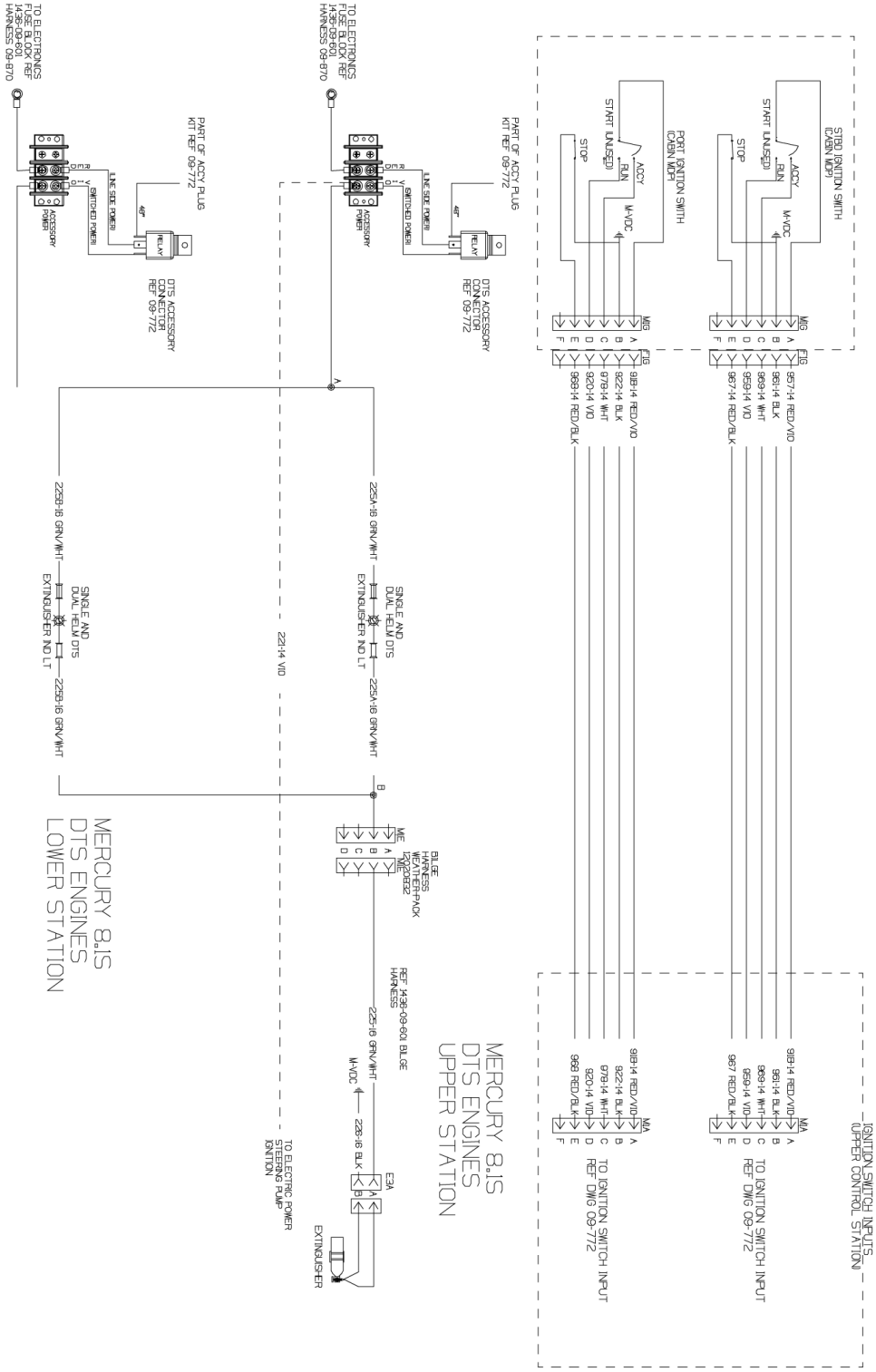
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Engine Harness Schematic
drawing no. 09-604
(Fig. 35.1)



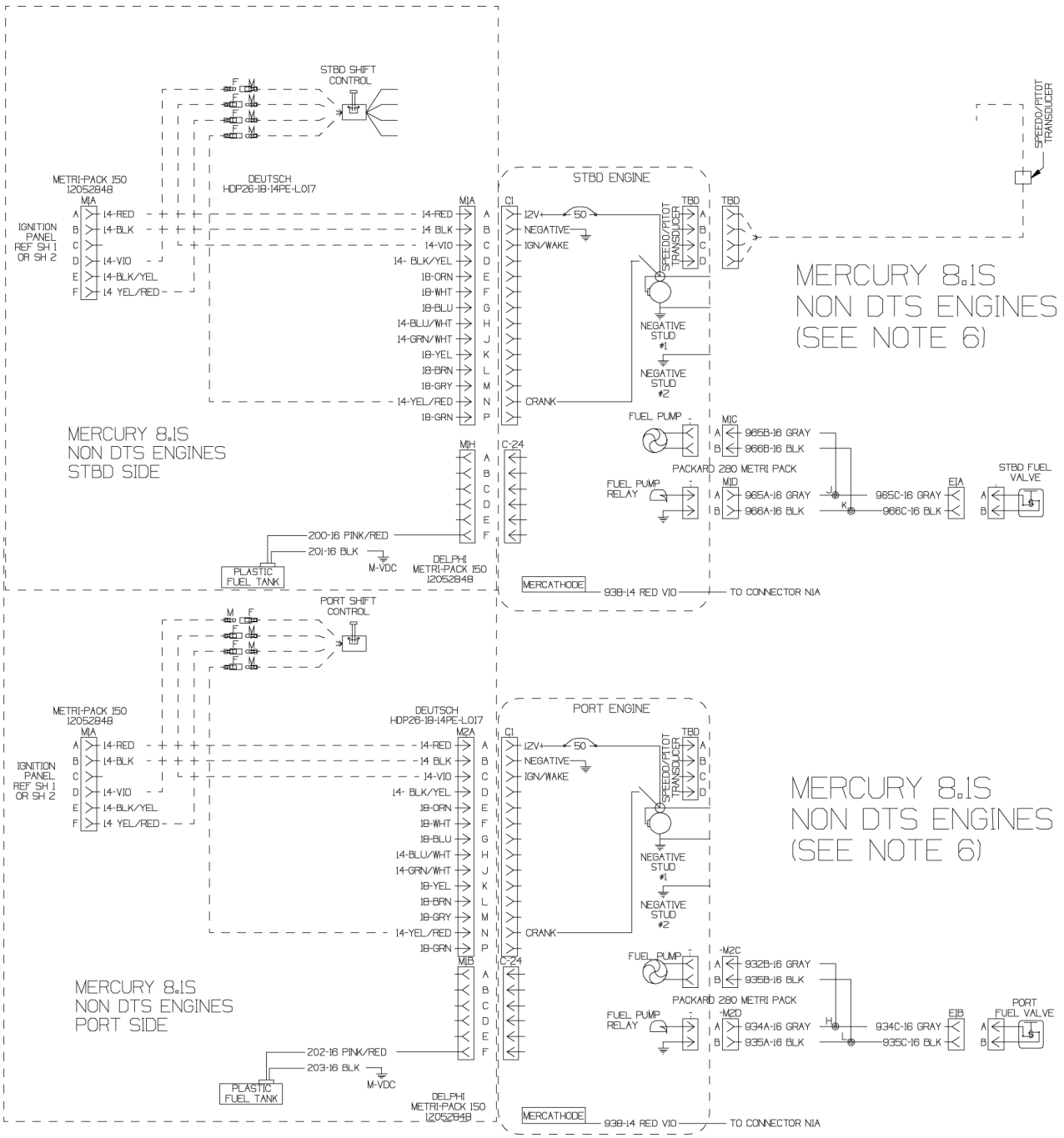
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Engine Harness Schematic
drawing no. 09-604
(Fig. 36.1)



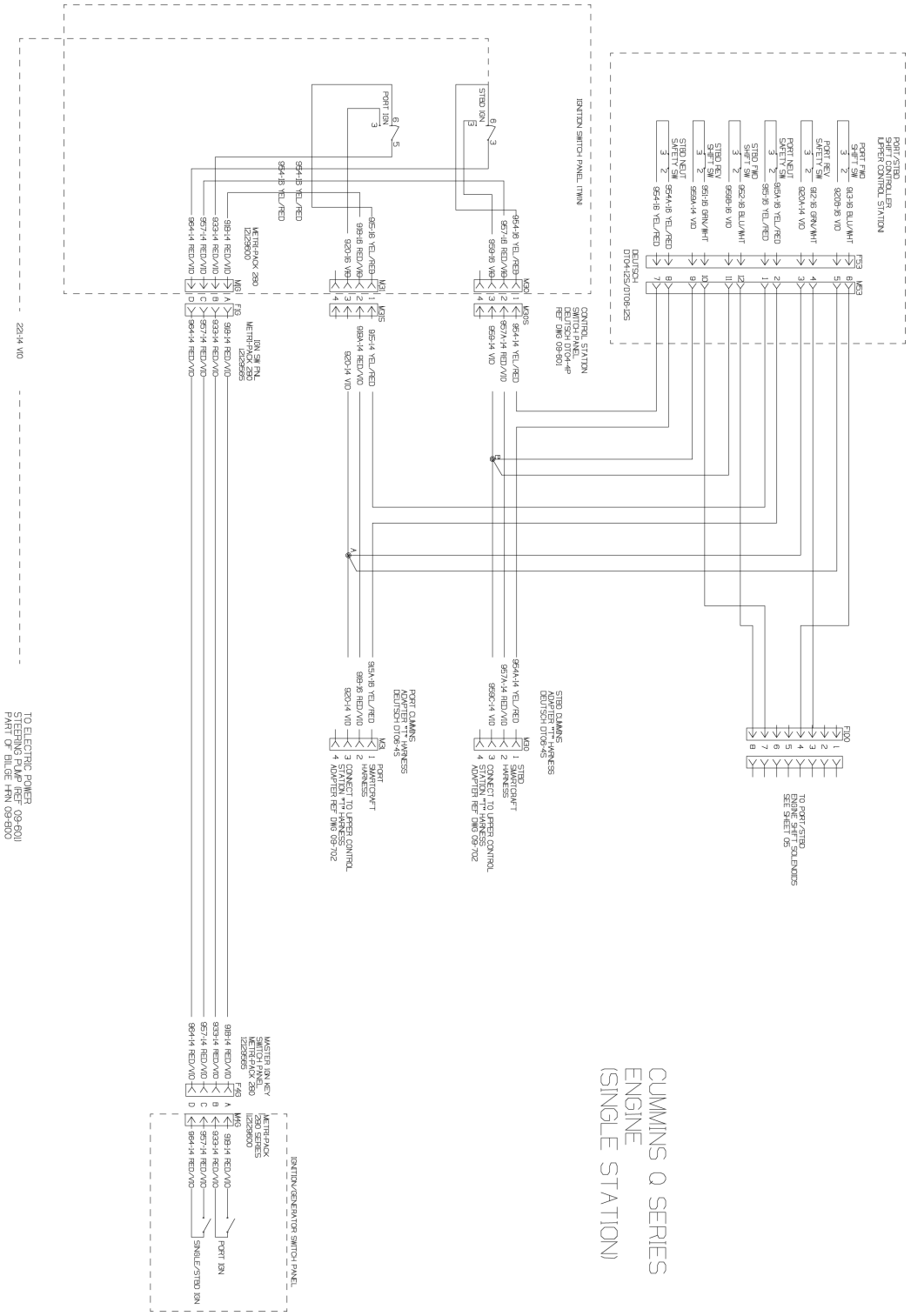
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Engine Harness Schematic
drawing no. 09-604
(Fig. 37.1)



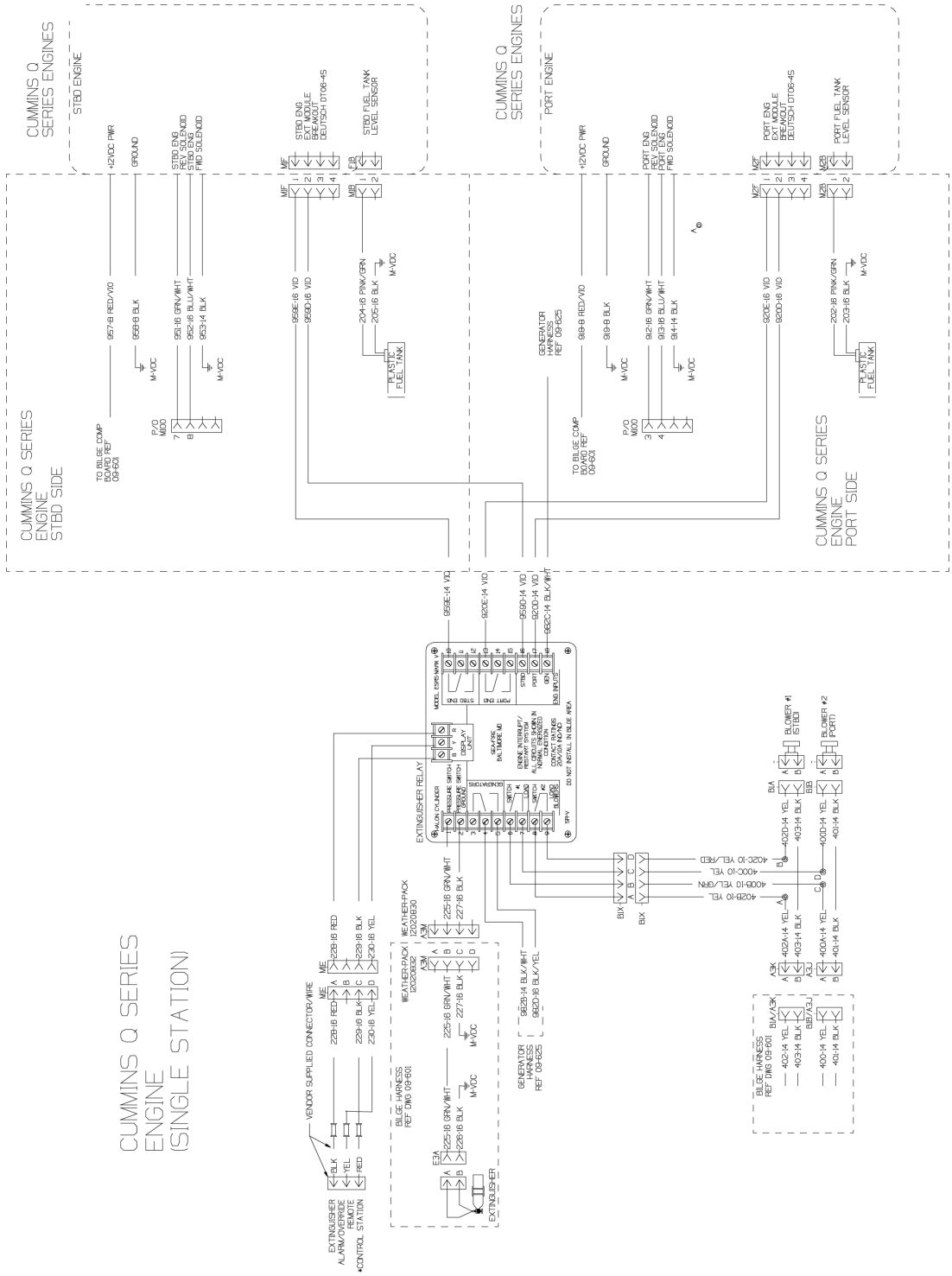
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Engine Harness Schematic
drawing no. 09-604
(Fig. 38.1)



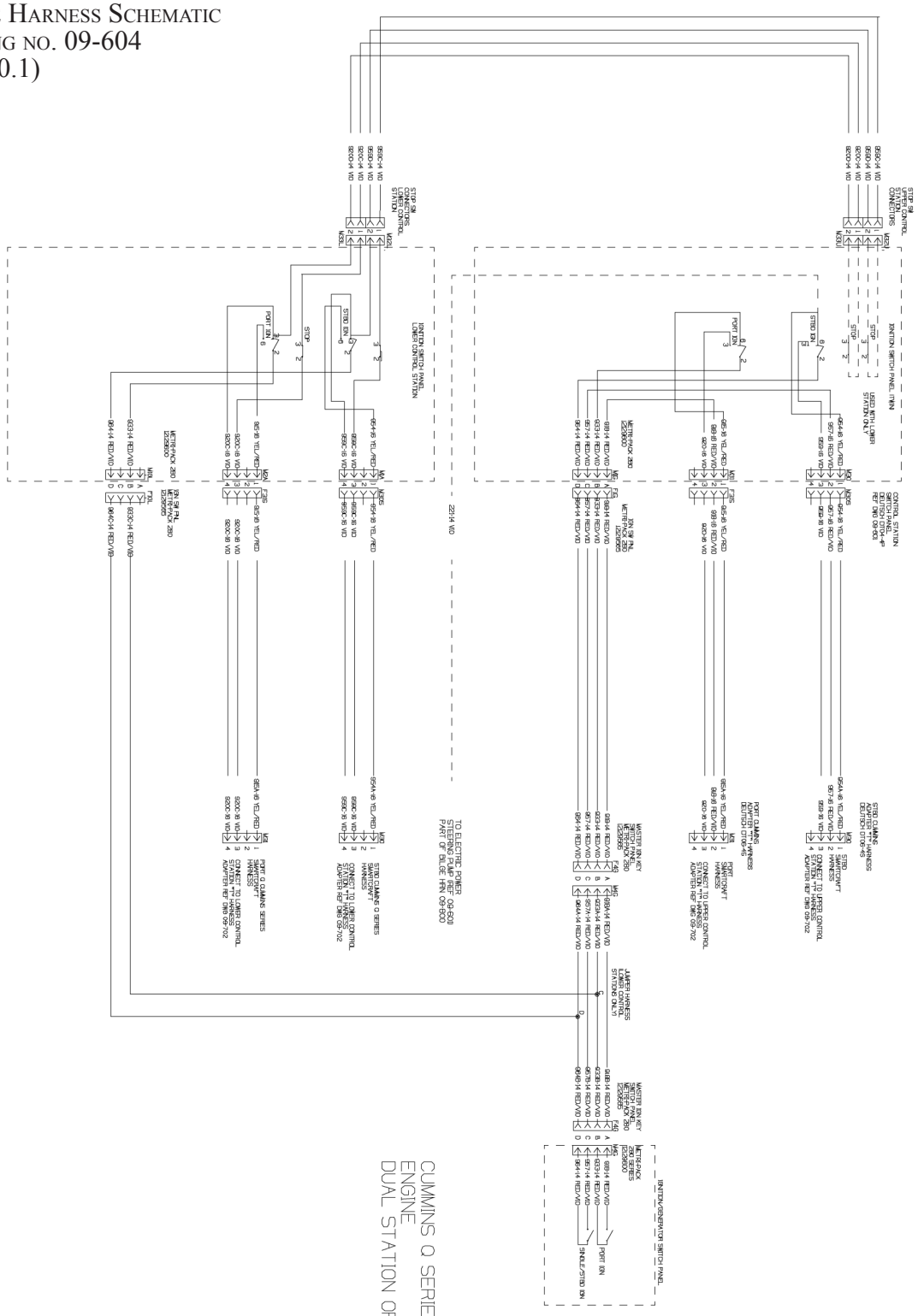
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Engine Harness Schematic
drawing no. 09-604
(Fig. 39.1)



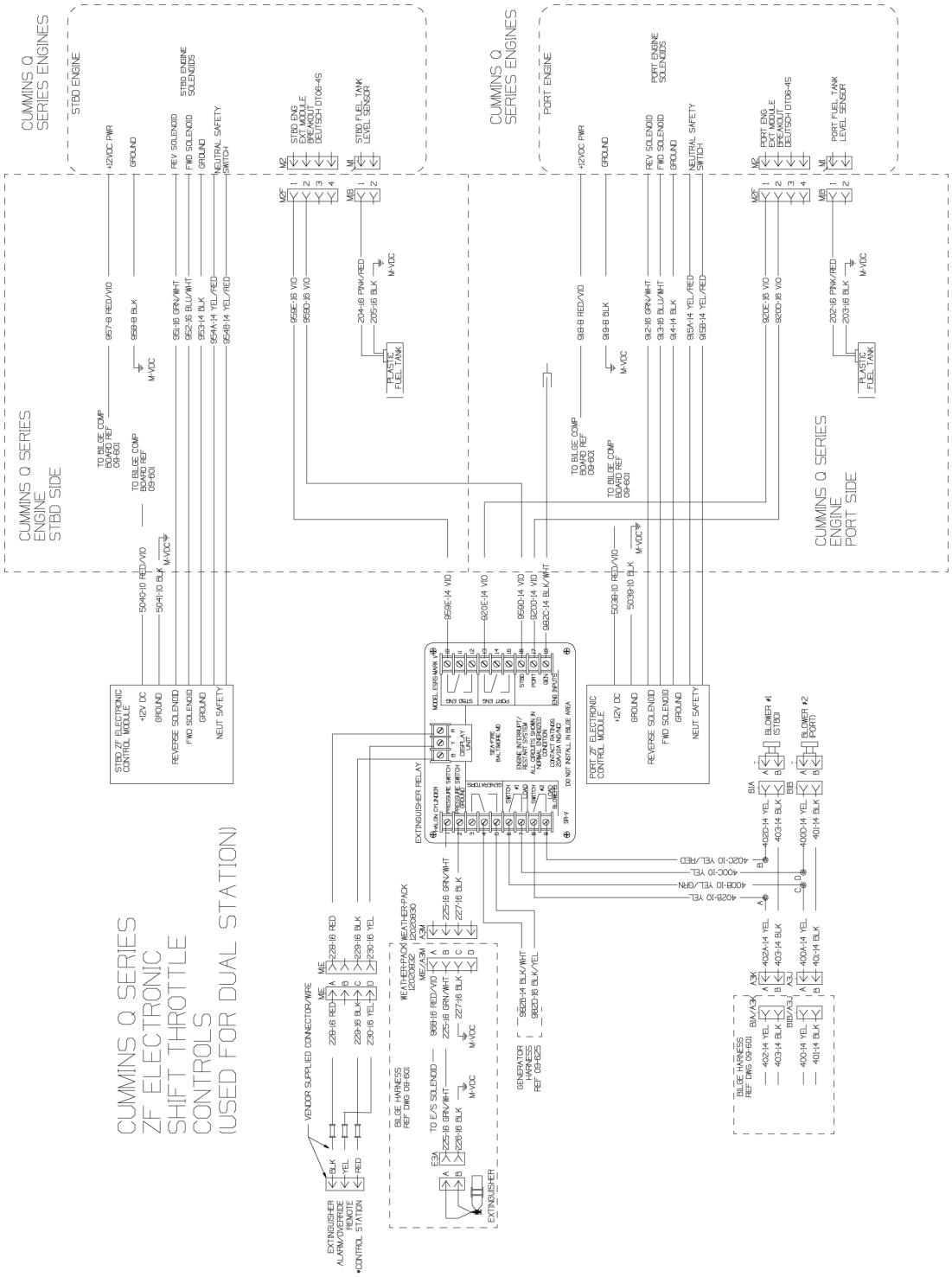
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Engine Harness Schematic
drawing no. 09-604
(Fig. 40.1)



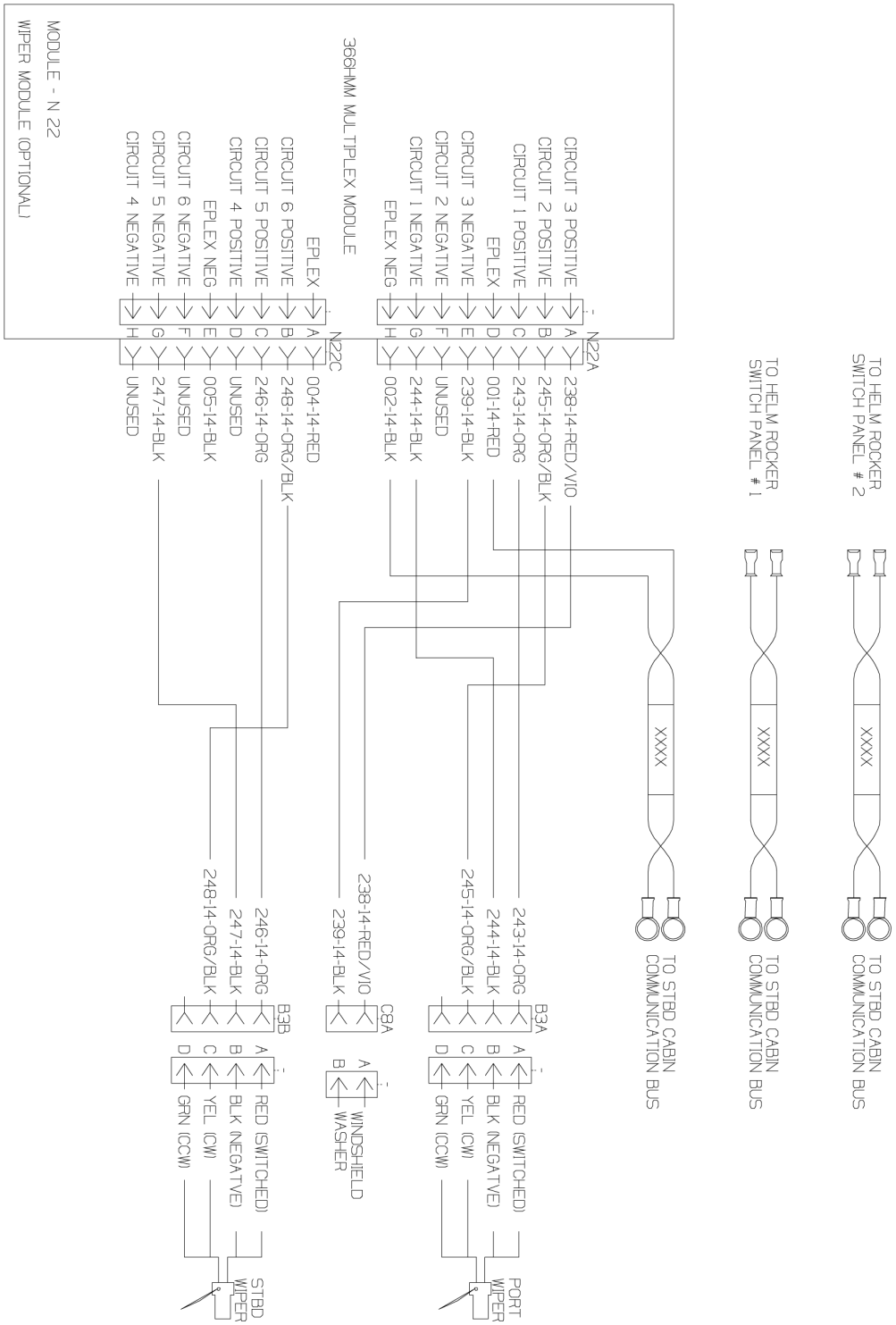
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Engine Harness Schematic
drawing no. 09-604
(Fig. 41.1)



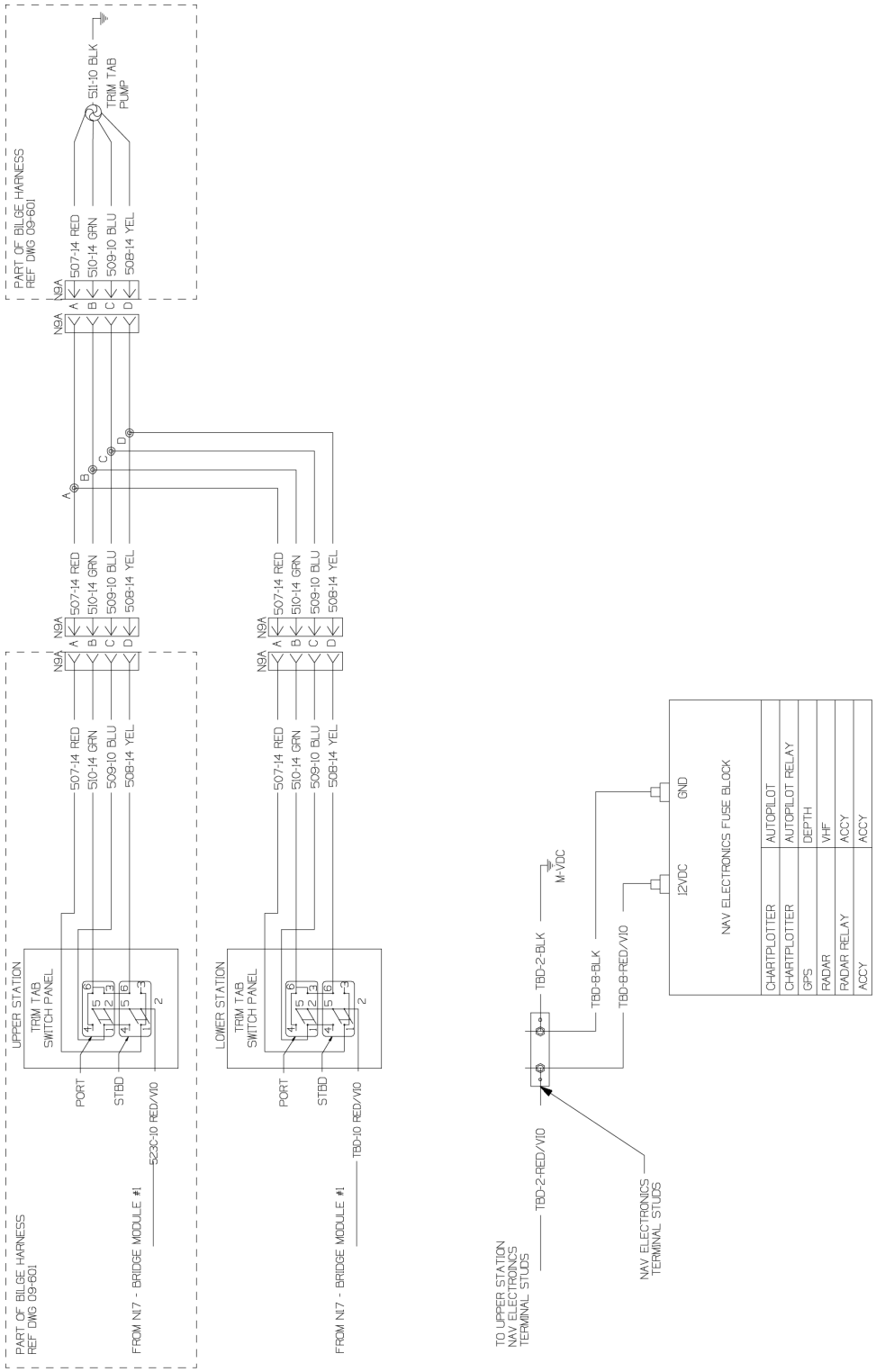
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

LWR Station DC Wiring
DRAWING NO. 09-605
(Fig. 42.1)



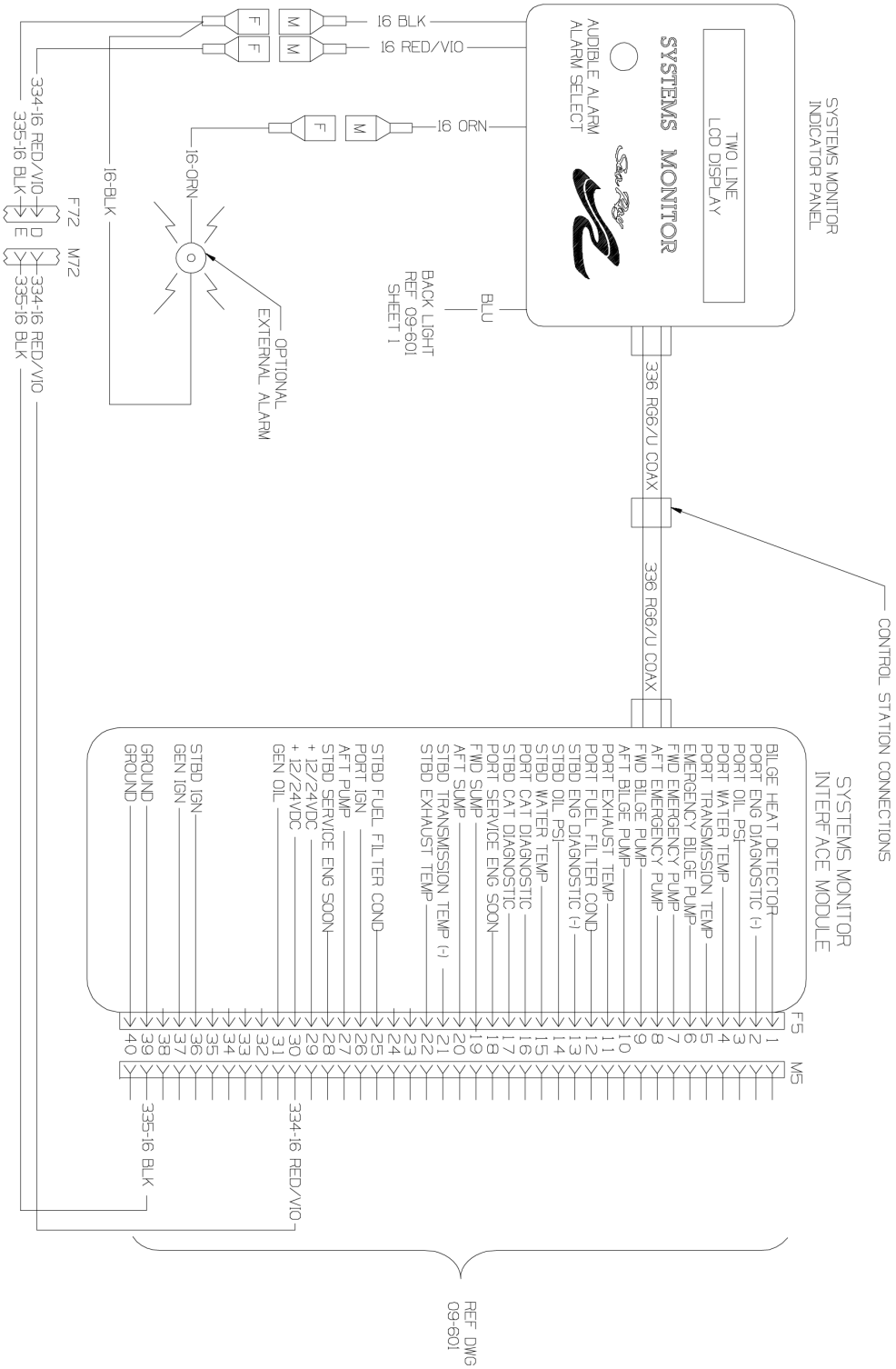
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

LWR STATION DC WIRING
DRAWING NO. 09-605
(FIG. 43.1)



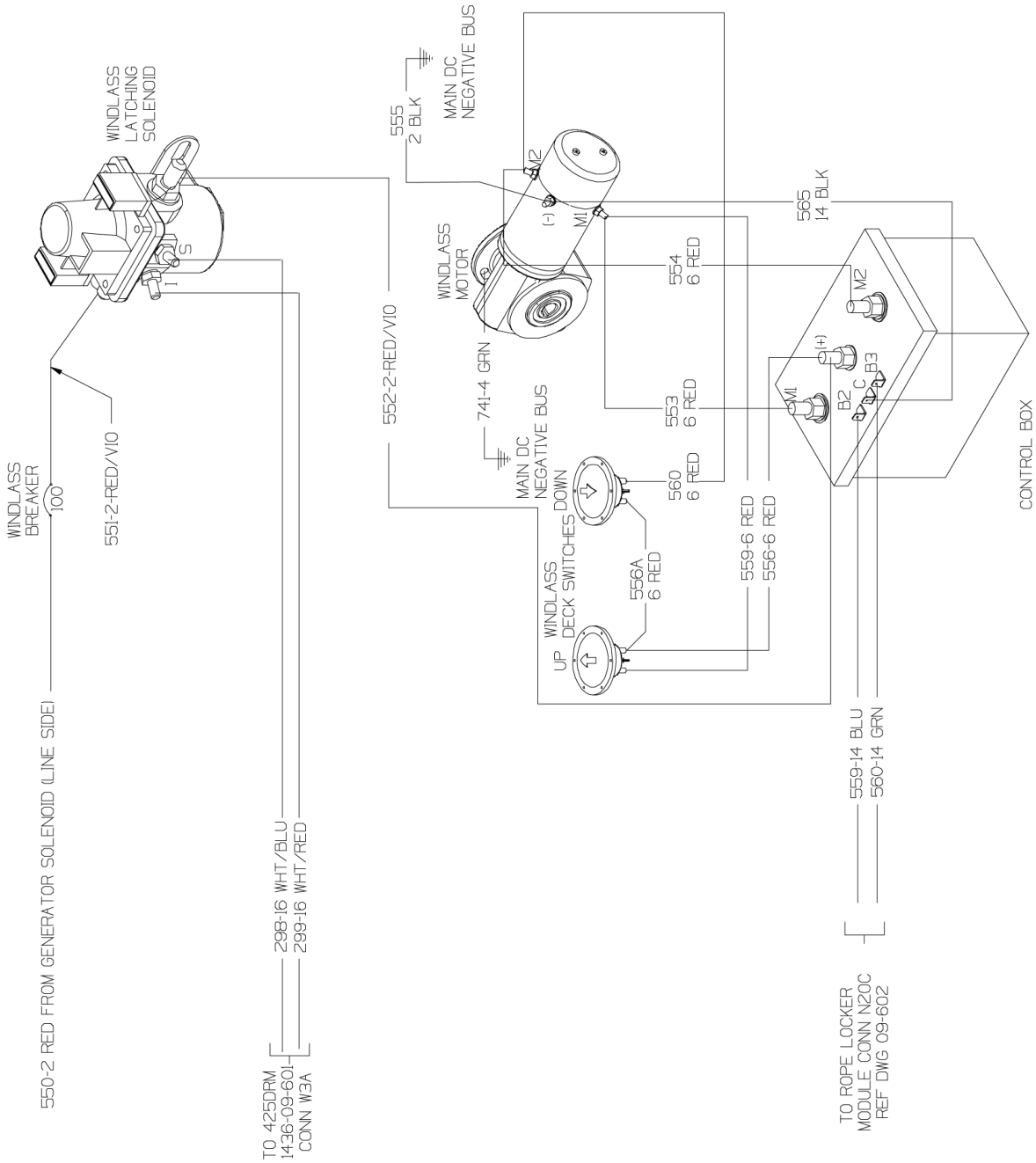
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

System Monitor Schematic
drawing no. 09-606
(Fig. 44.1)



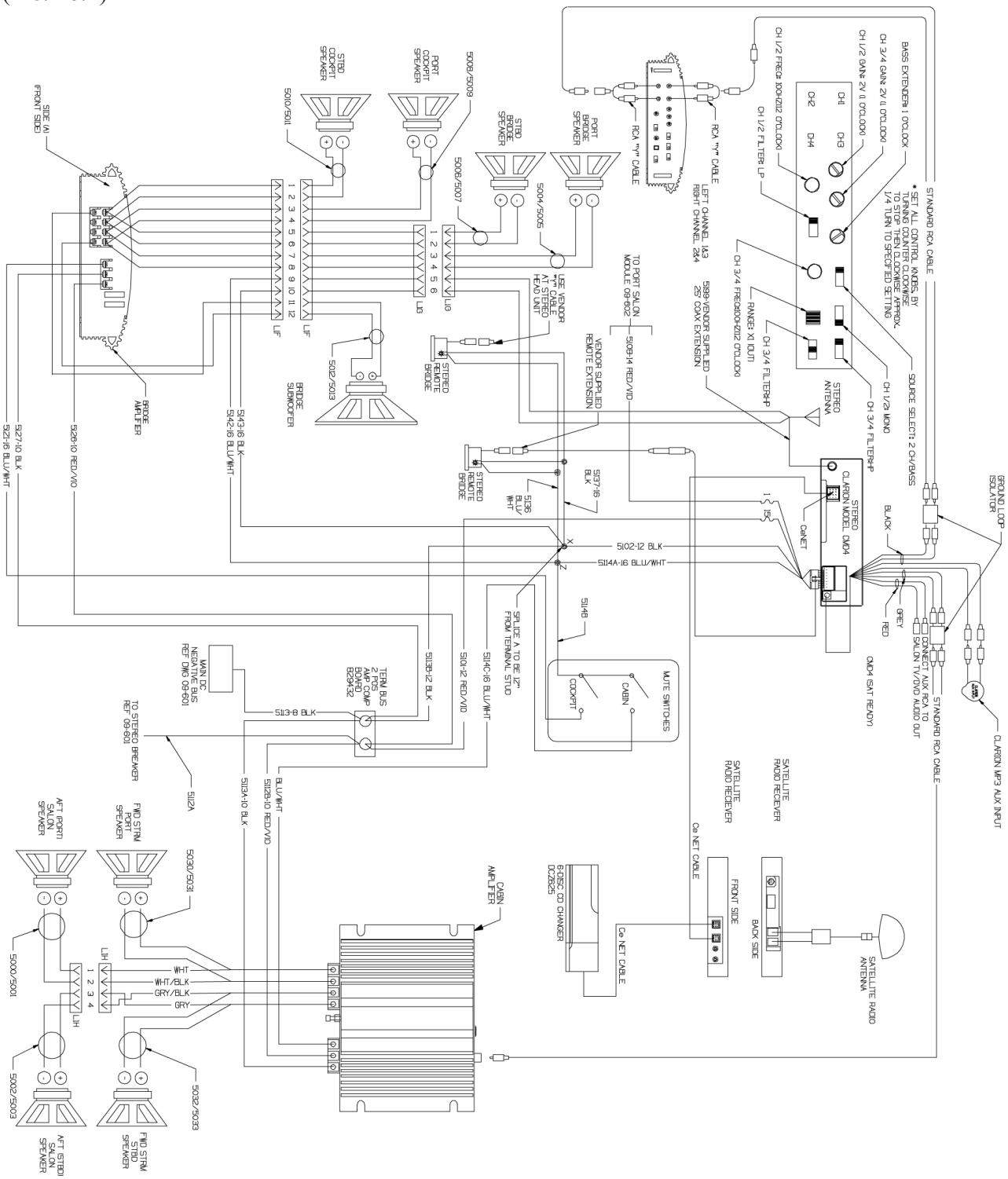
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Windlass Schematic
drawing no. 09-610
(Fig. 45.1)



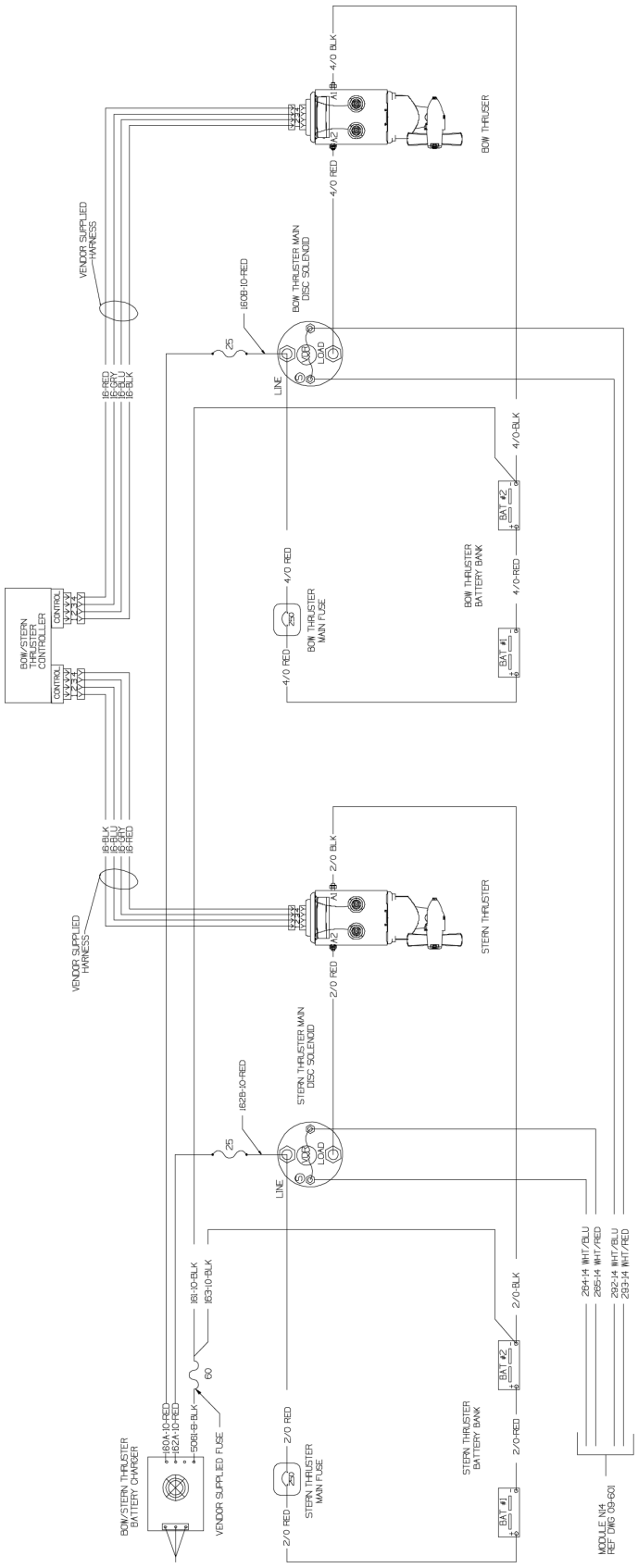
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Stereo Wiring Diagram
drawing no. 09-611
(Fig. 46.1)



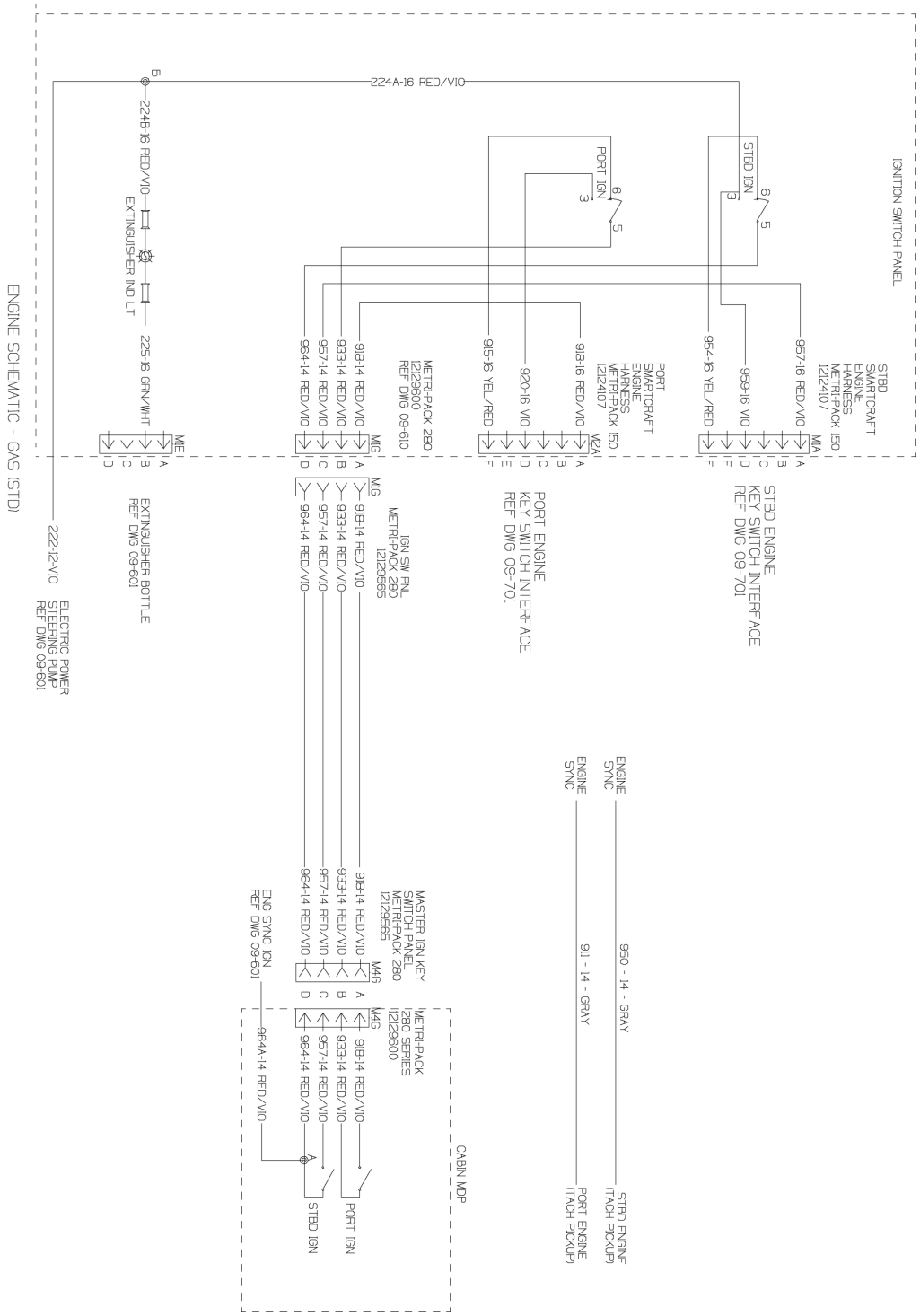
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Bow Thruster Schematic
drawing no. 09-616
(Fig. 47.1)



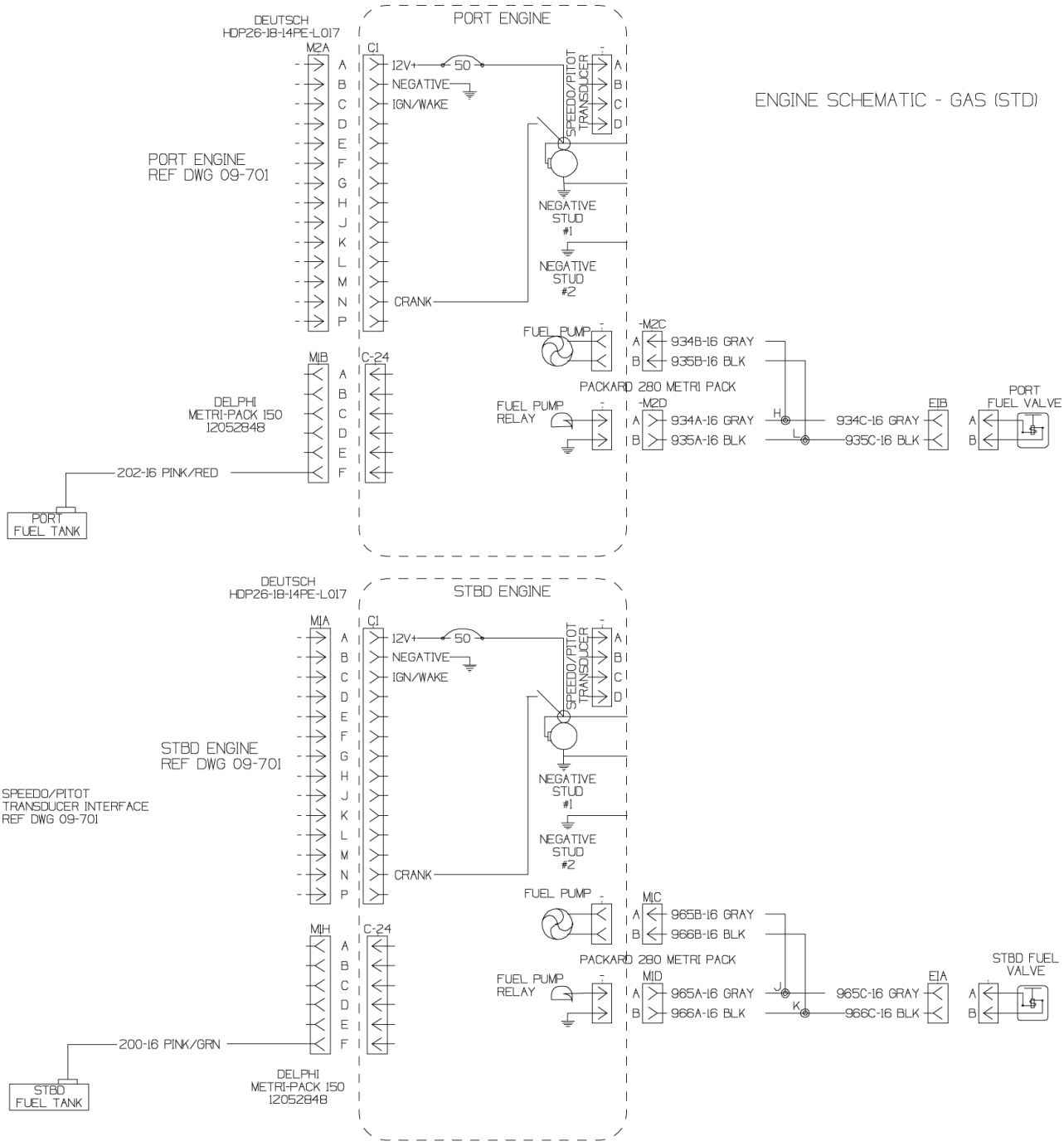
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Engine Schematic (Gas)
drawing no. 09-618
(Fig. 48.1)



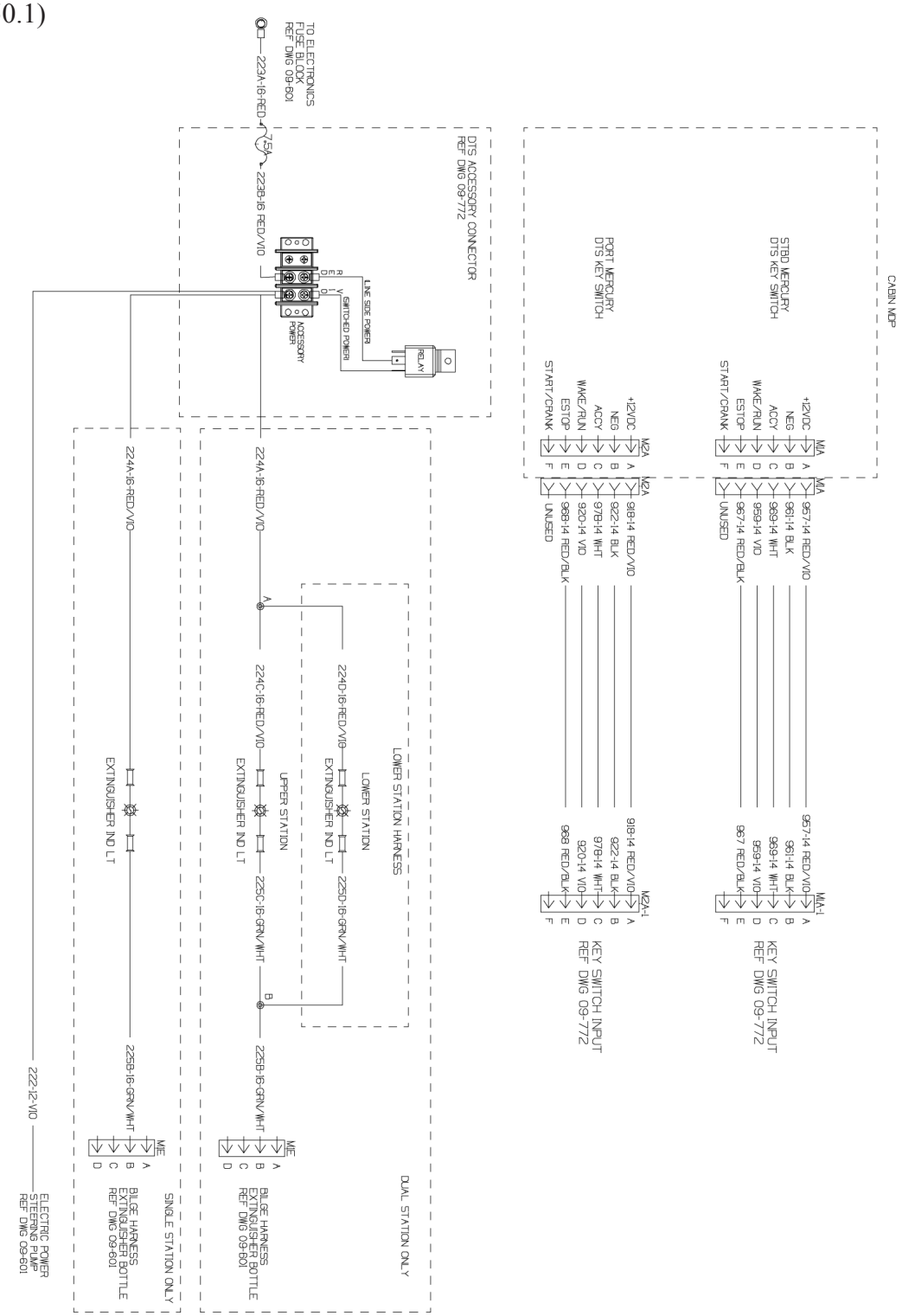
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Engine Schematic (Gas)
drawing no. 09-618
(Fig. 49.1)



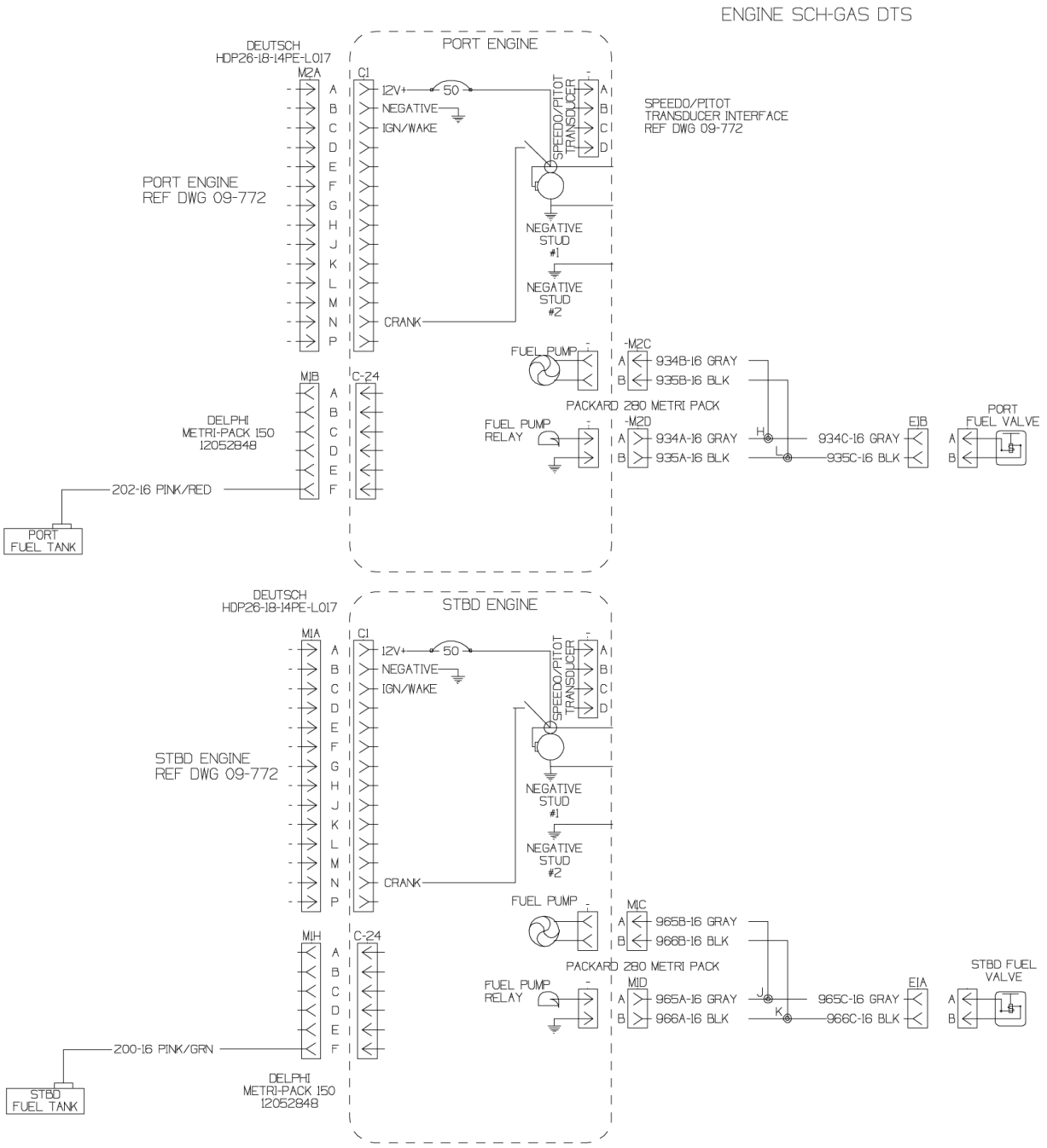
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Engine Schematic (Gas DTS)
drawing no. 09-619
(Fig. 50.1)



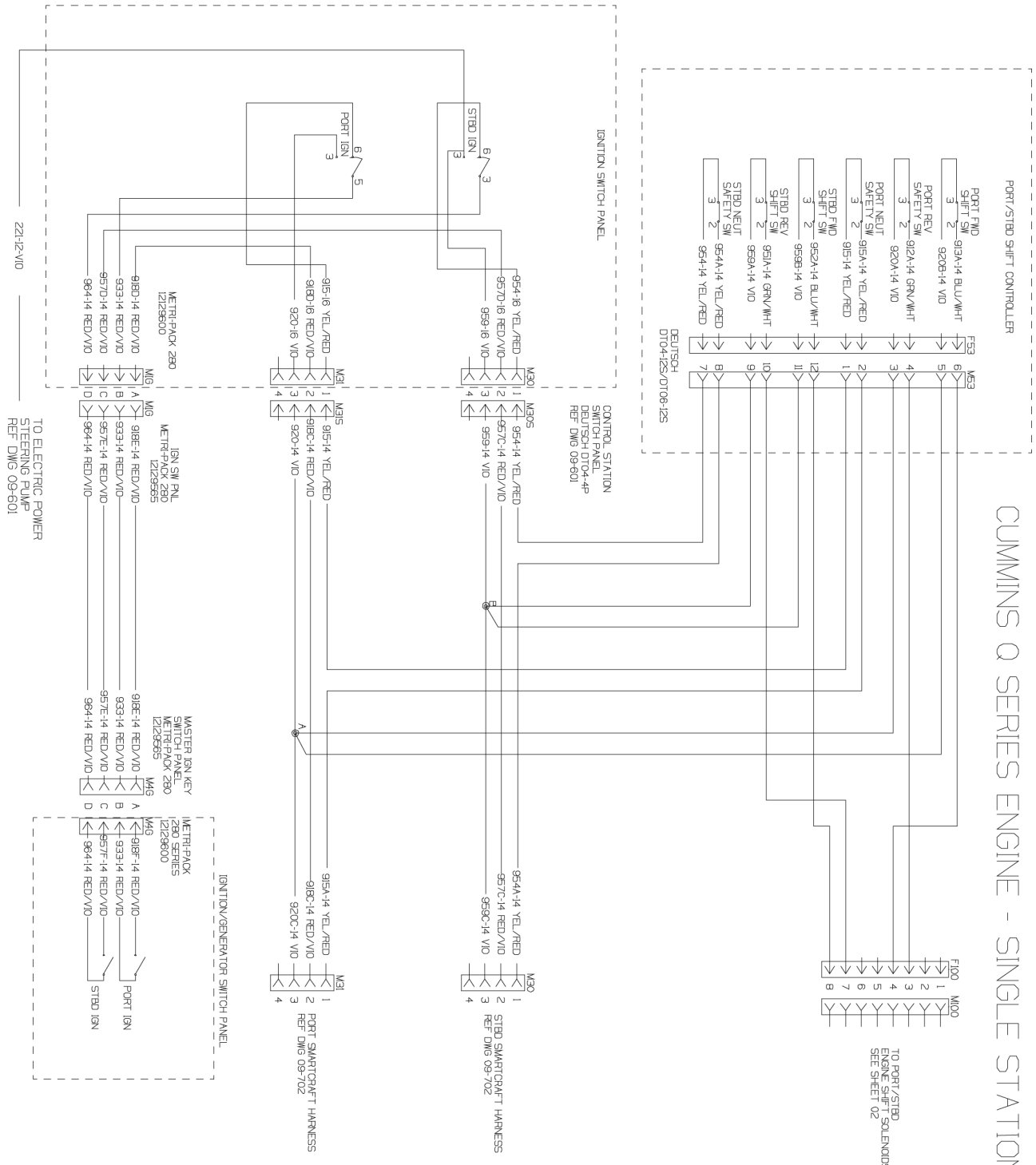
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Engine Schematic (Gas DTS)
drawing no. 09-619
(Fig. 51.1)



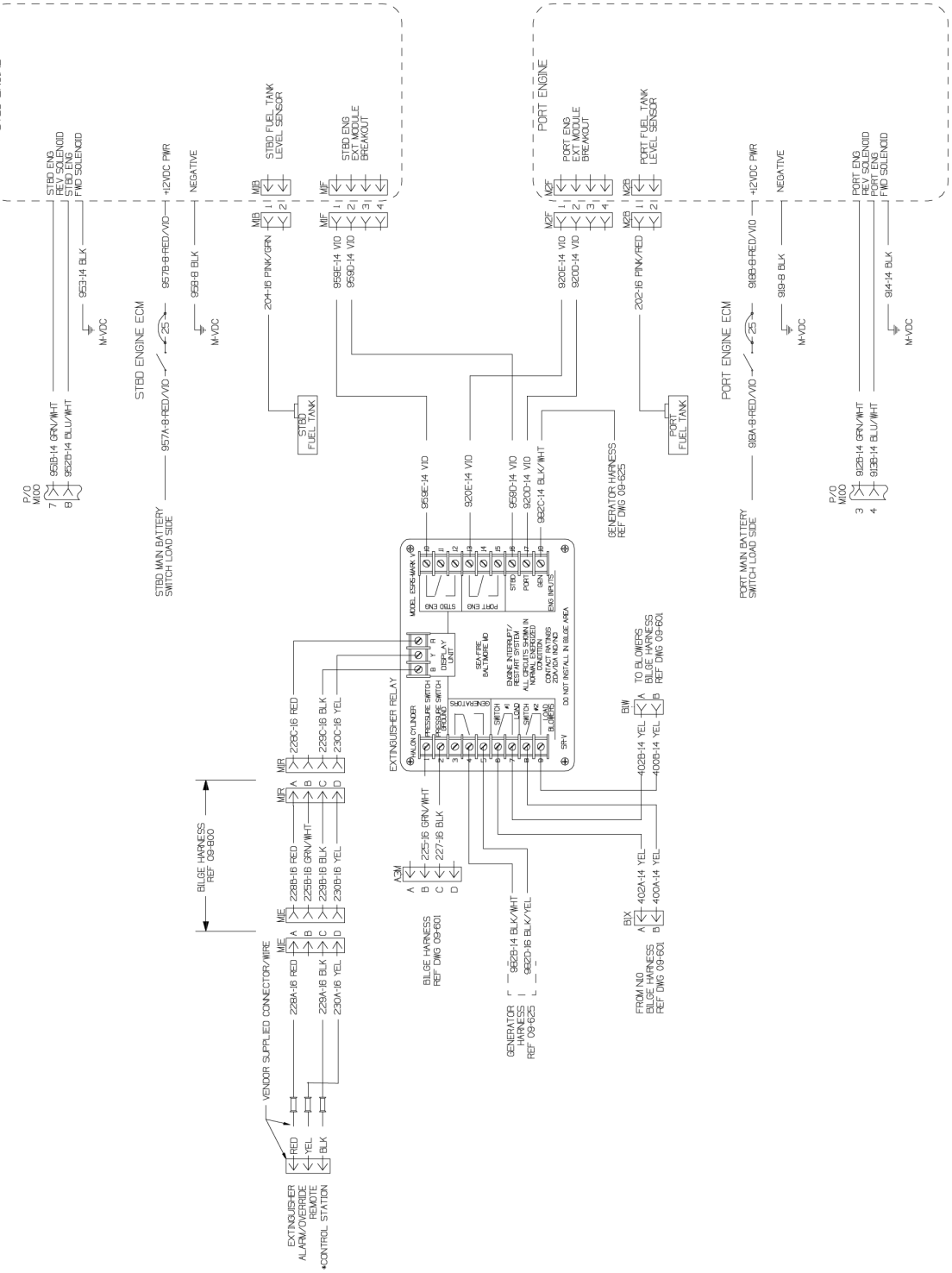
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Engine Schematic (Cummins QSB)
drawing no. 09-620
(Fig. 52.1)



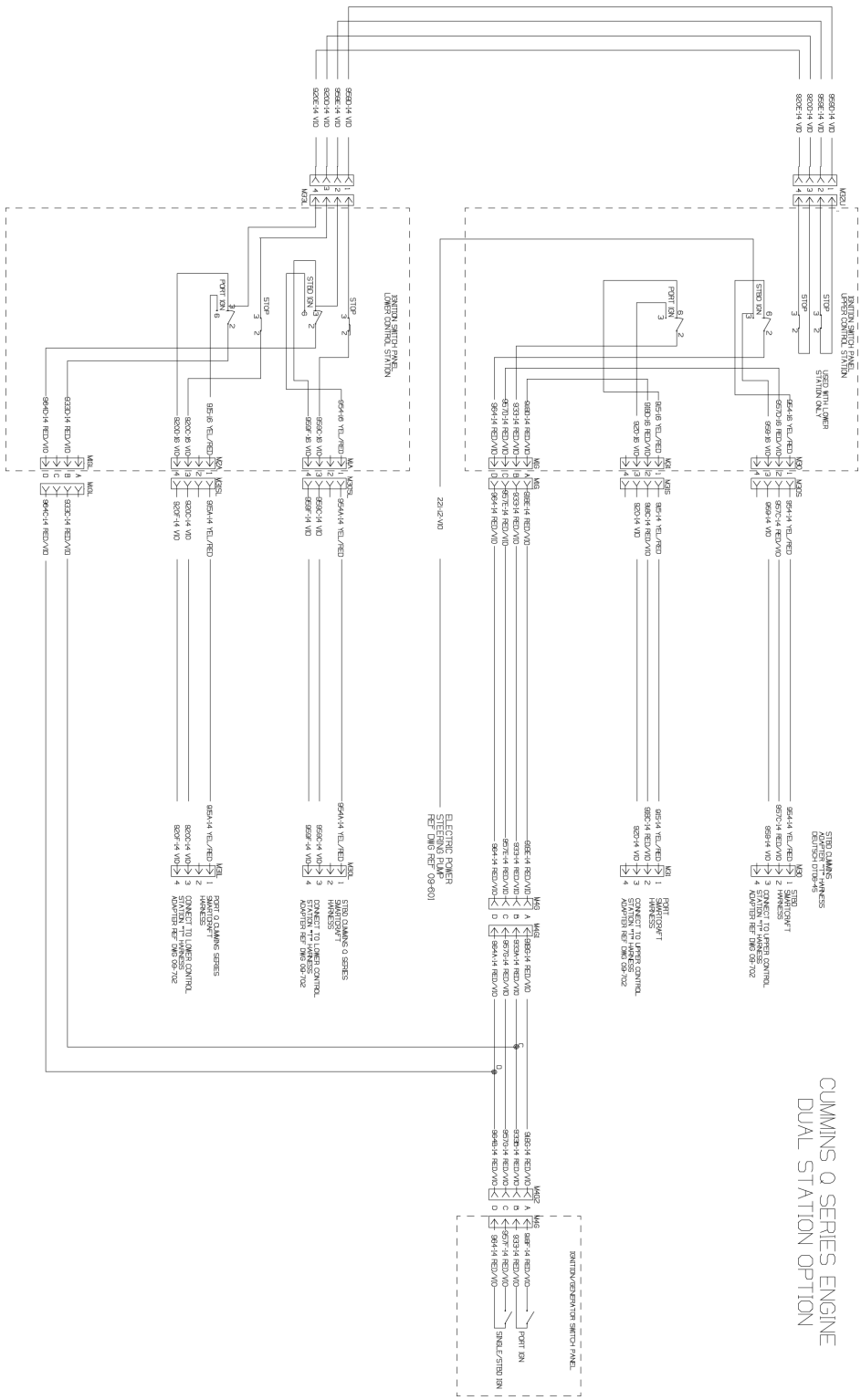
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

ENGINE SCHEMATIC (CUMMINS QSB)
DRAWING NO. 09-620
(FIG. 53.1)


STBD ENGINE
PORT ENGINE
STBD ENG REV SOLENOID
STBD ENG FWD SOLENOID
STBD FUEL TANK LEVEL SENSOR
STBD ENG EXT MODULE BREAKOUT
PORT ENG EXT MODULE BREAKOUT
PORT FUEL TANK LEVEL SENSOR
+12VDC PWR
NEGATIVE
PORT ENG REV SOLENOID
PORT ENG FWD SOLENOID
STBD ENGINE ECM
PORT ENGINE ECM
STBD MAIN BATTERY SWITCH LOAD SIDE
PORT MAIN BATTERY SWITCH LOAD SIDE
GENERATOR HARNESS REF DWG 09-625
STBD FUEL TANK
PORT FUEL TANK
EXTINGUISHER RELAY
BILGE HARNESS REF 09-600
VENDOR SUPPLIED CONNECTOR/WIRE
EXTINGUISHER ALARM/OVERRIDE REMOTE *CONTROL STATION
TO BLOWERS BILGE HARNESS REF DWG 09-601
FROM NID BILGE HARNESS REF DWG 09-601
BILGE HARNESS REF DWG 09-601
GENERATOR HARNESS REF 09-625

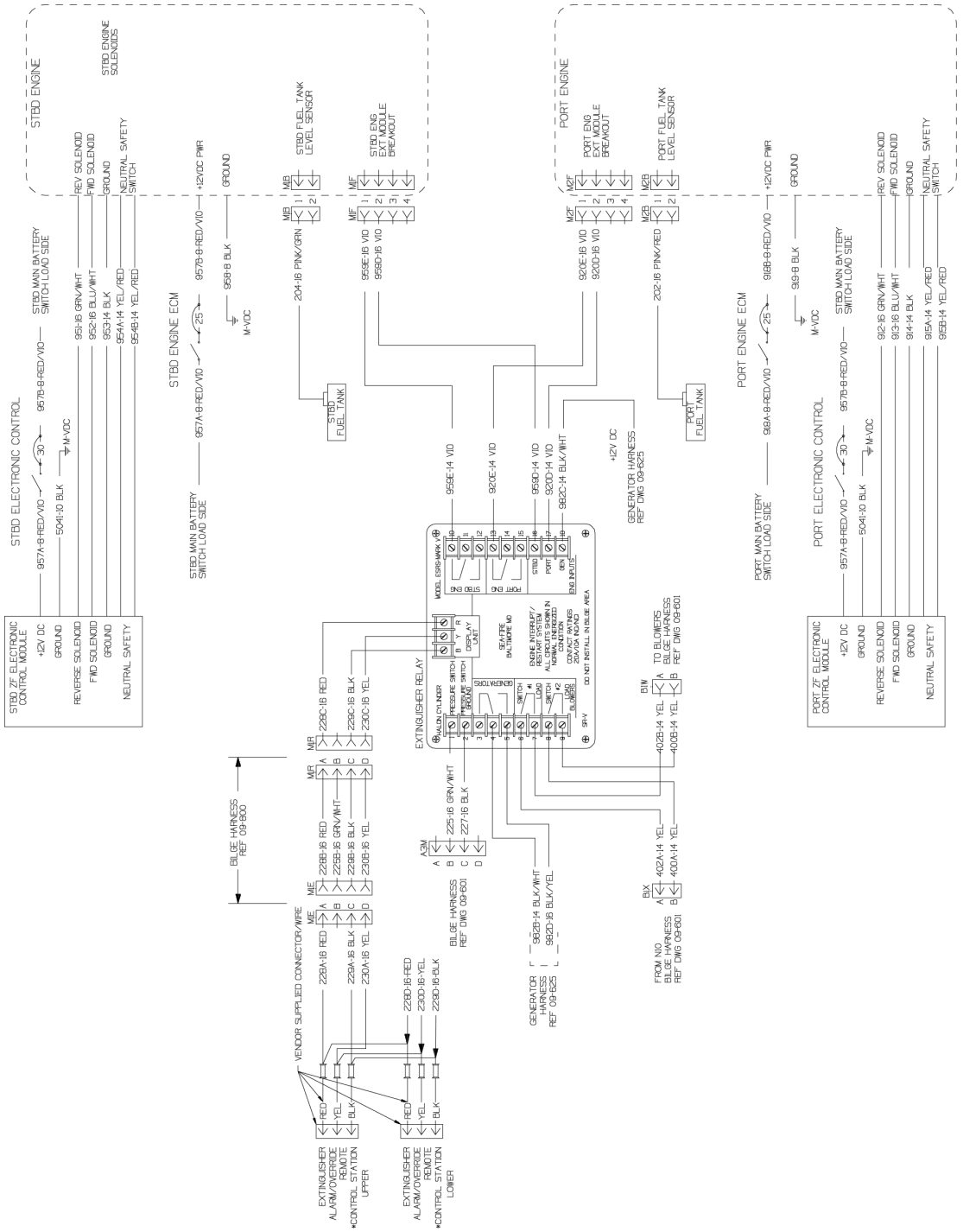
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Engine Schematic (Diesel Dual Station)
drawing no. 09-621
(Fig. 54.1)


CUMMINS Q SERIES ENGINE
DUAL STATION OPTION
IGNITION/GENERATOR SWITCH PANEL
IGNITION SWITCH PANEL LOWER CONTROL STATION
ELECTRIC POWER STEERING PUMP REF DWG REF 09-601
STBD CLAMPS ADAPTER "T" HARNESS DEUTSCH DT06-4S
PORT CLAMPS ADAPTER "T" HARNESS
STBD SMARTCRAFT HARNESS
CONNECT TO UPPER CONTROL STATION "T" HARNESS ADAPTER REF DWG 09-702
CONNECT TO LOWER CONTROL STATION "T" HARNESS ADAPTER REF DWG 09-702
STBD IGN
PORT IGN
STOP
SINGLE/STBD IGN
PORT IGN

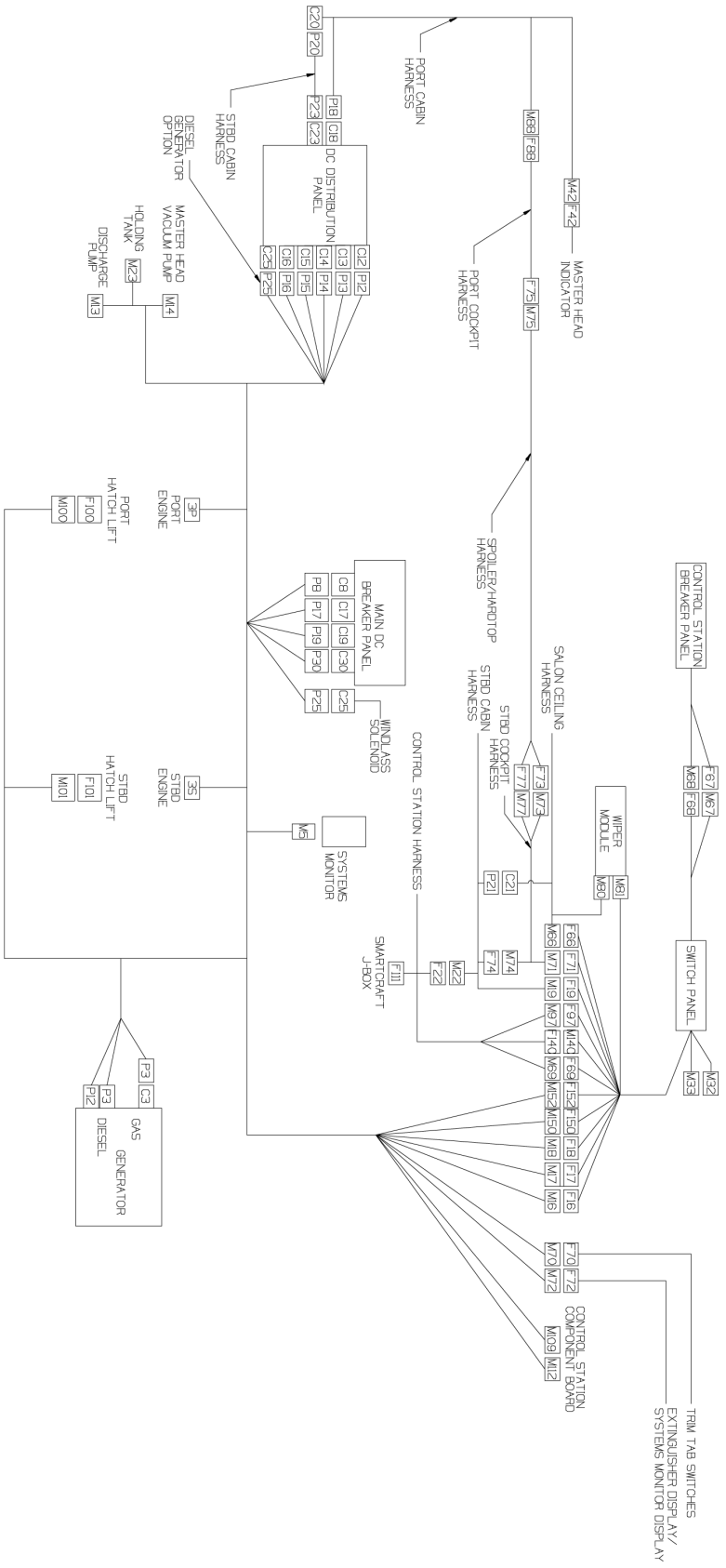
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

ENGINE SCHEMATIC (DIESEL DUAL STATION)
DRAWING NO. 09-621
(FIG. 55.1)



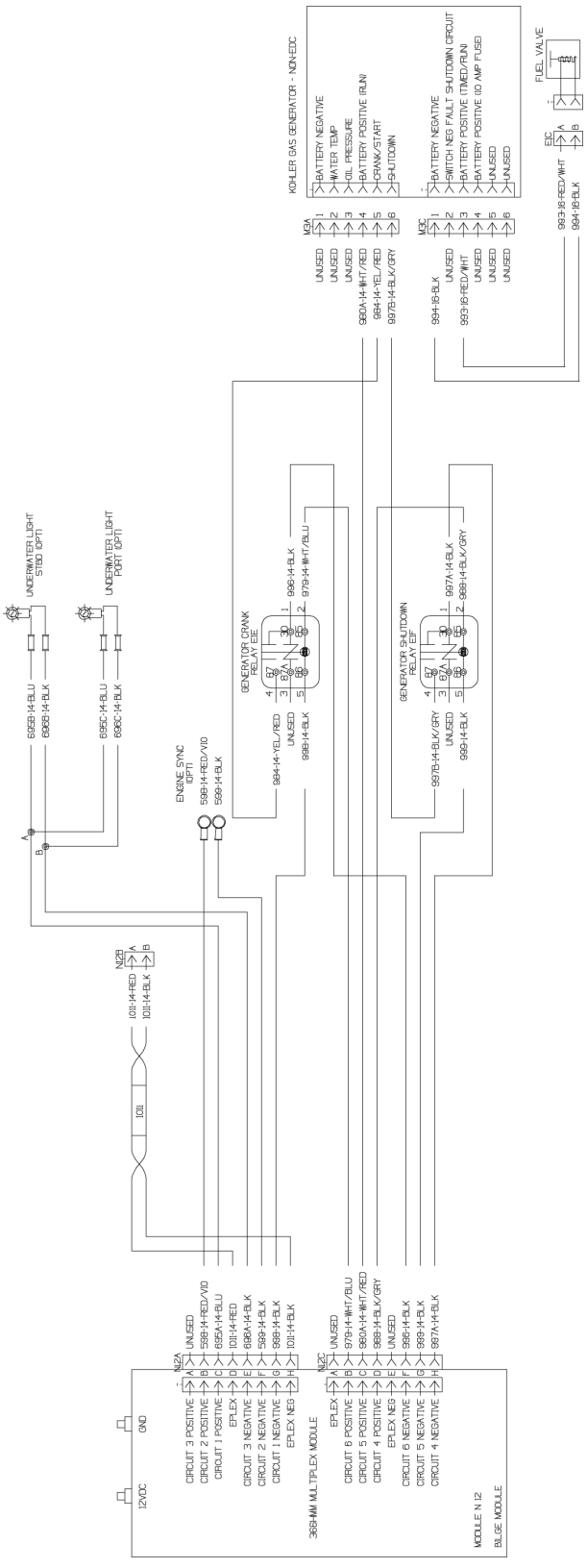
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

INTERCONNECT
DRAWING NO. 09-622
(FIG. 56.1)



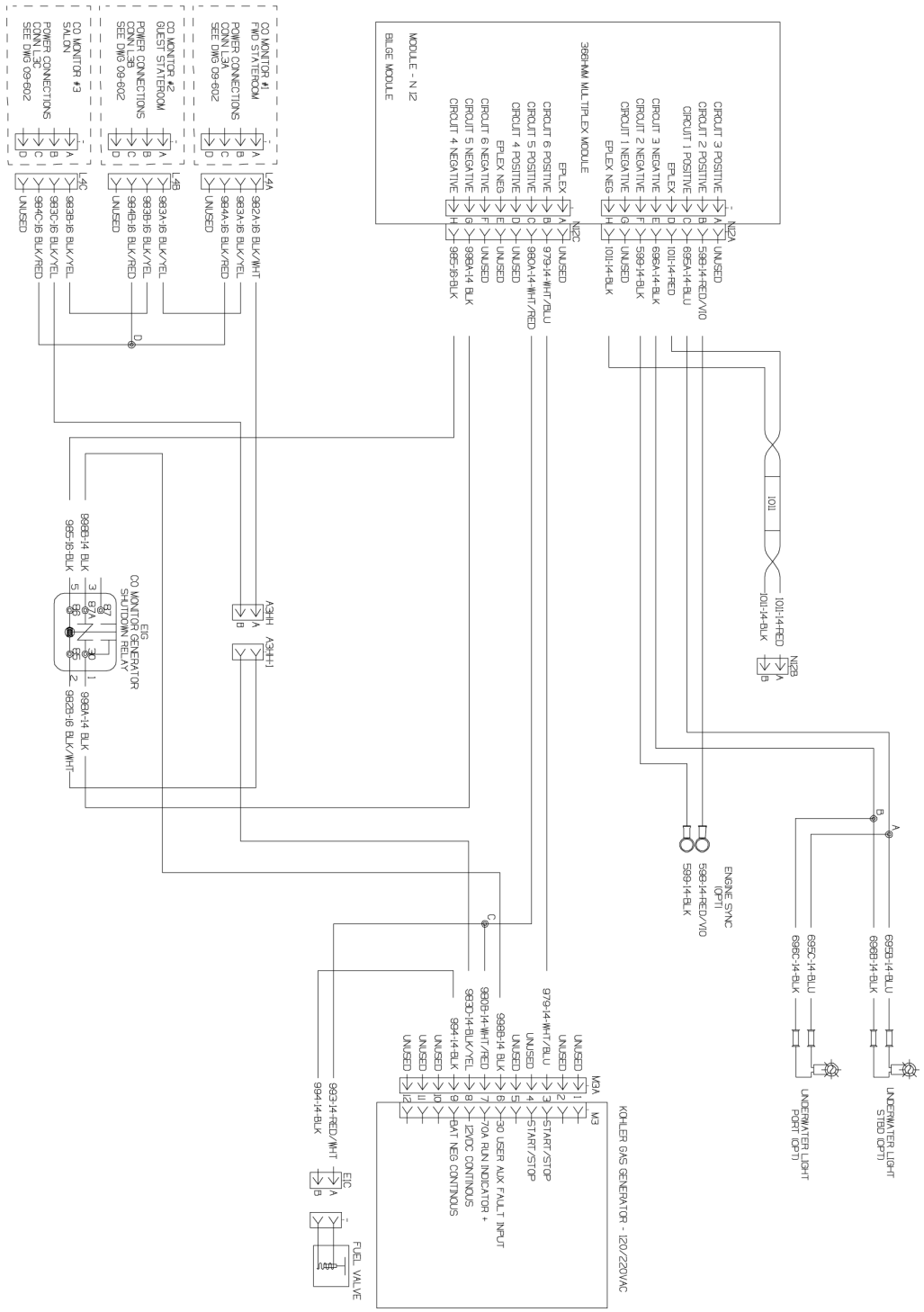
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

GAS GENERATOR (NON ECD)
DRAWING NO. 09-623
(FIG. 57.1)



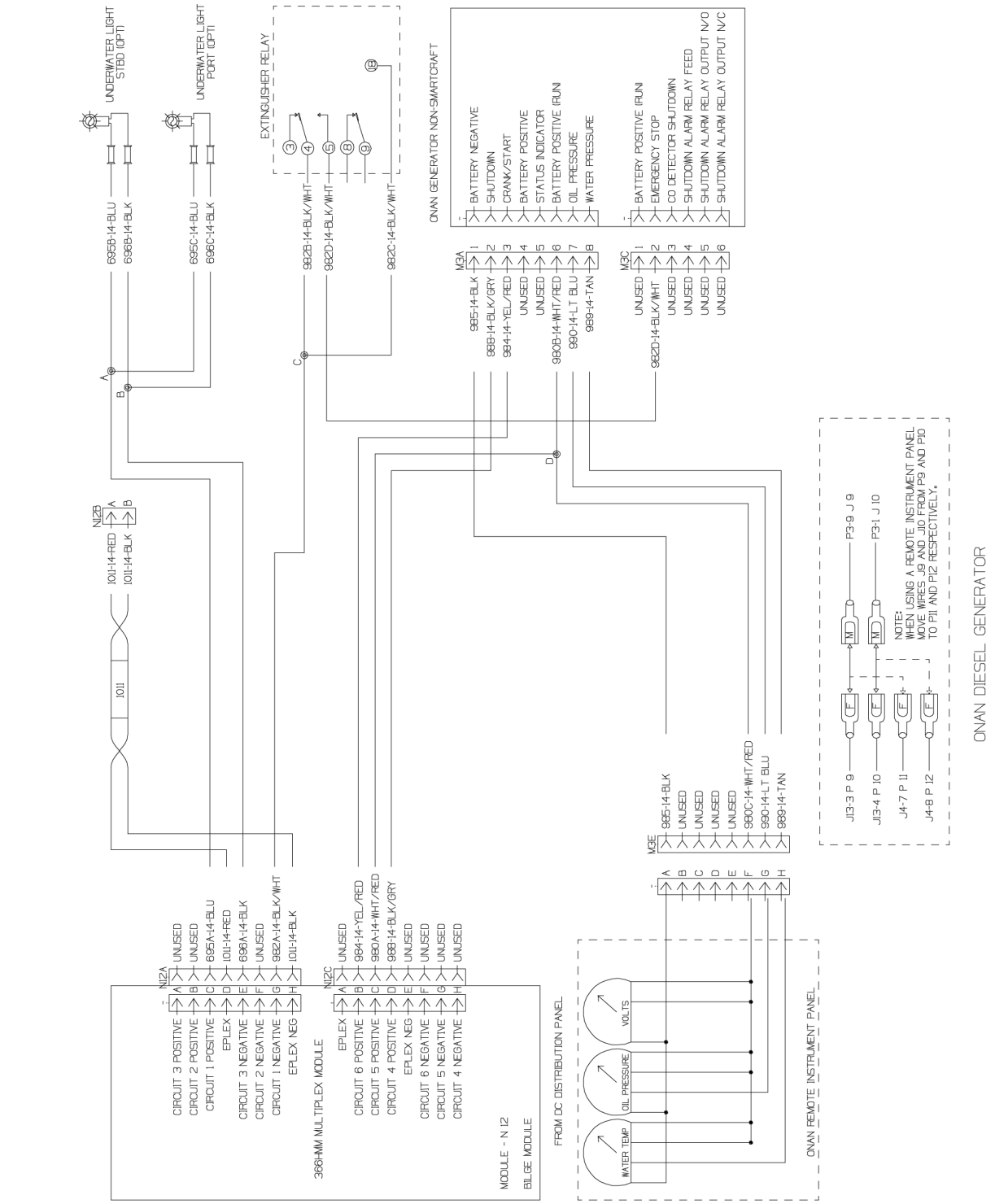
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Gas Generator (ECD)
drawing no. 09-624
(Fig. 58.1)



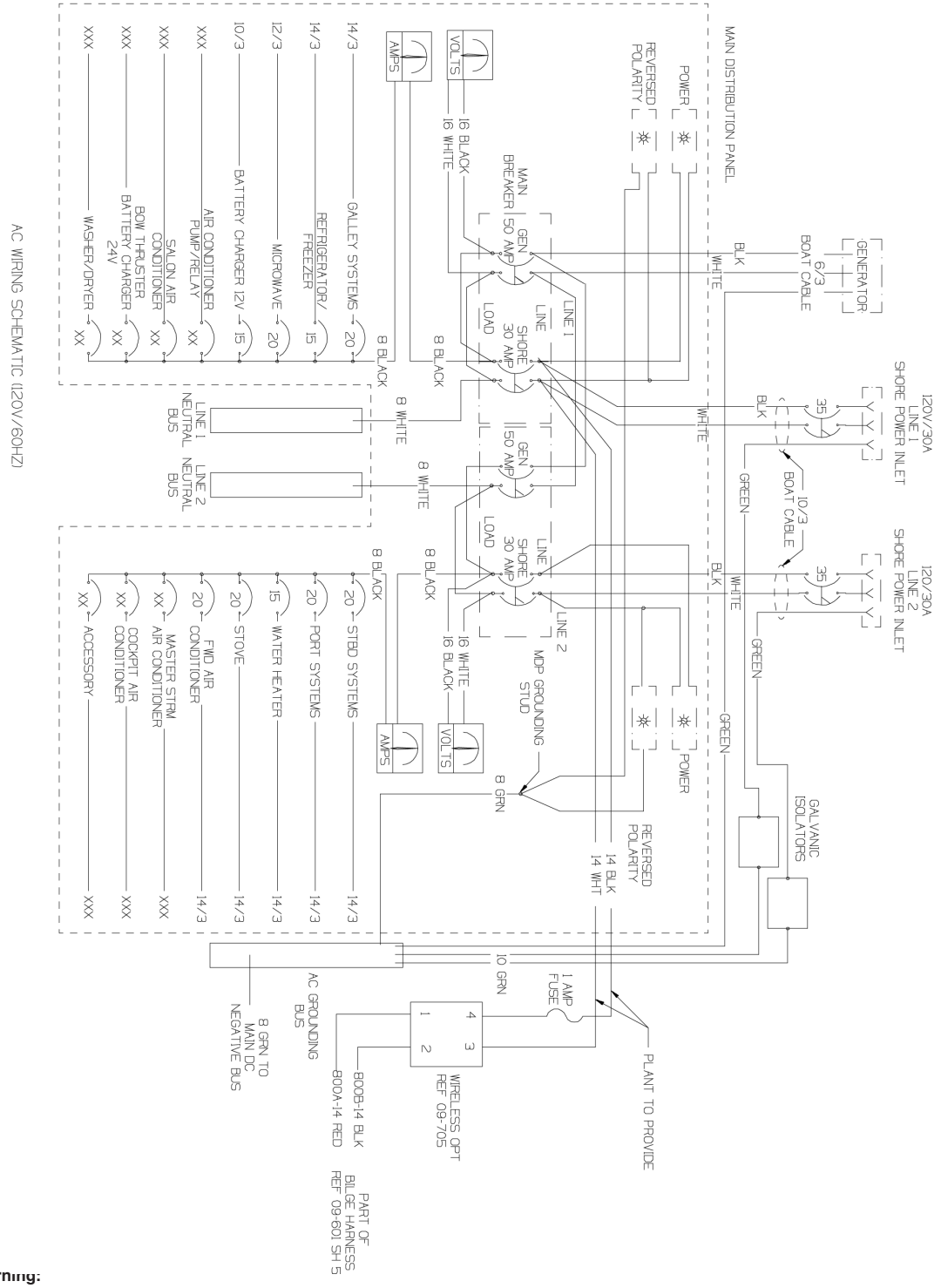
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

DIESEL GENERATOR
DRAWING NO. 09-625
(FIG. 59.1)



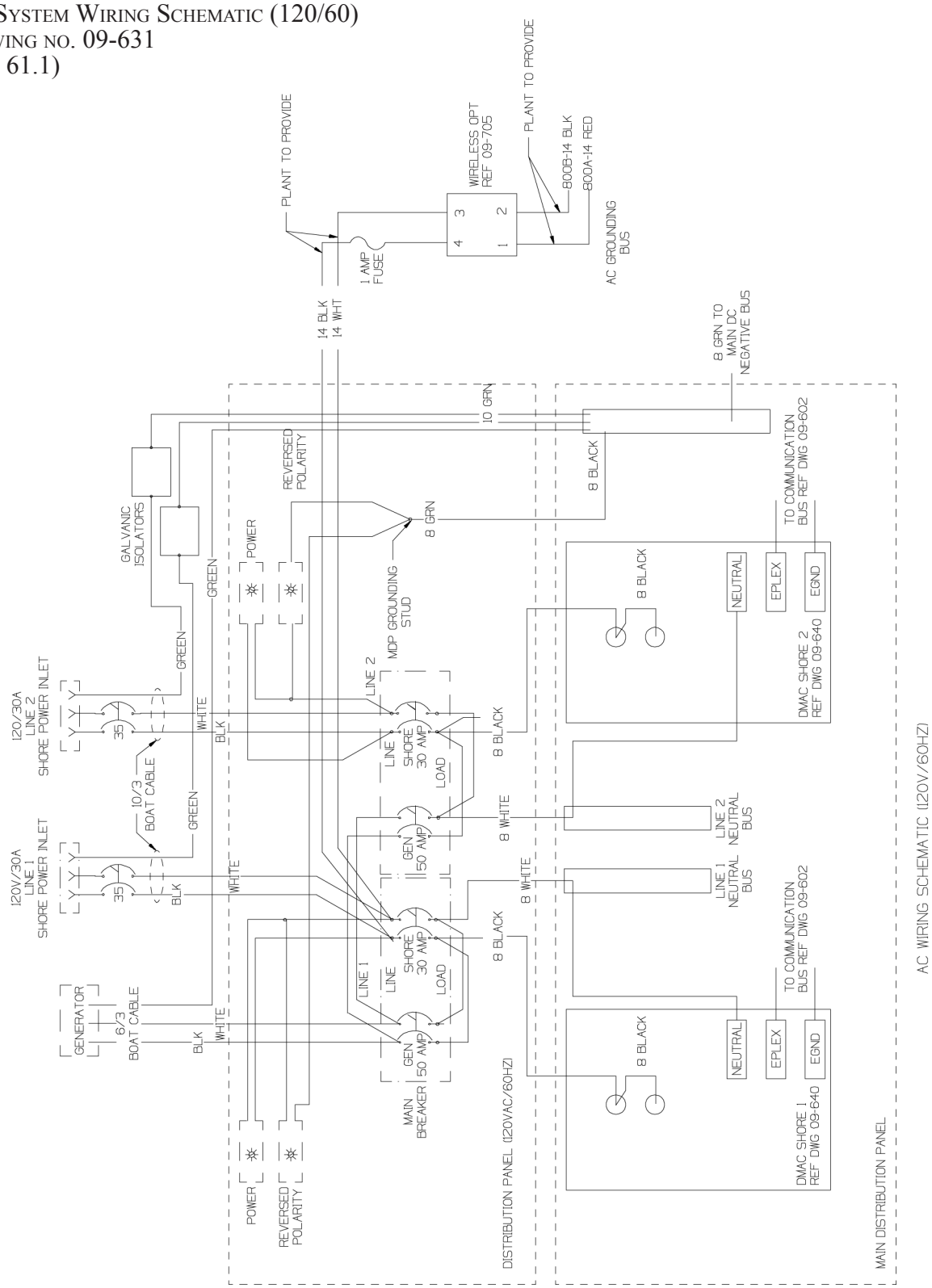
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

AC Wiring Schematic (120/60)
DRAWING NO. 09-630
(Fig. 60.1)



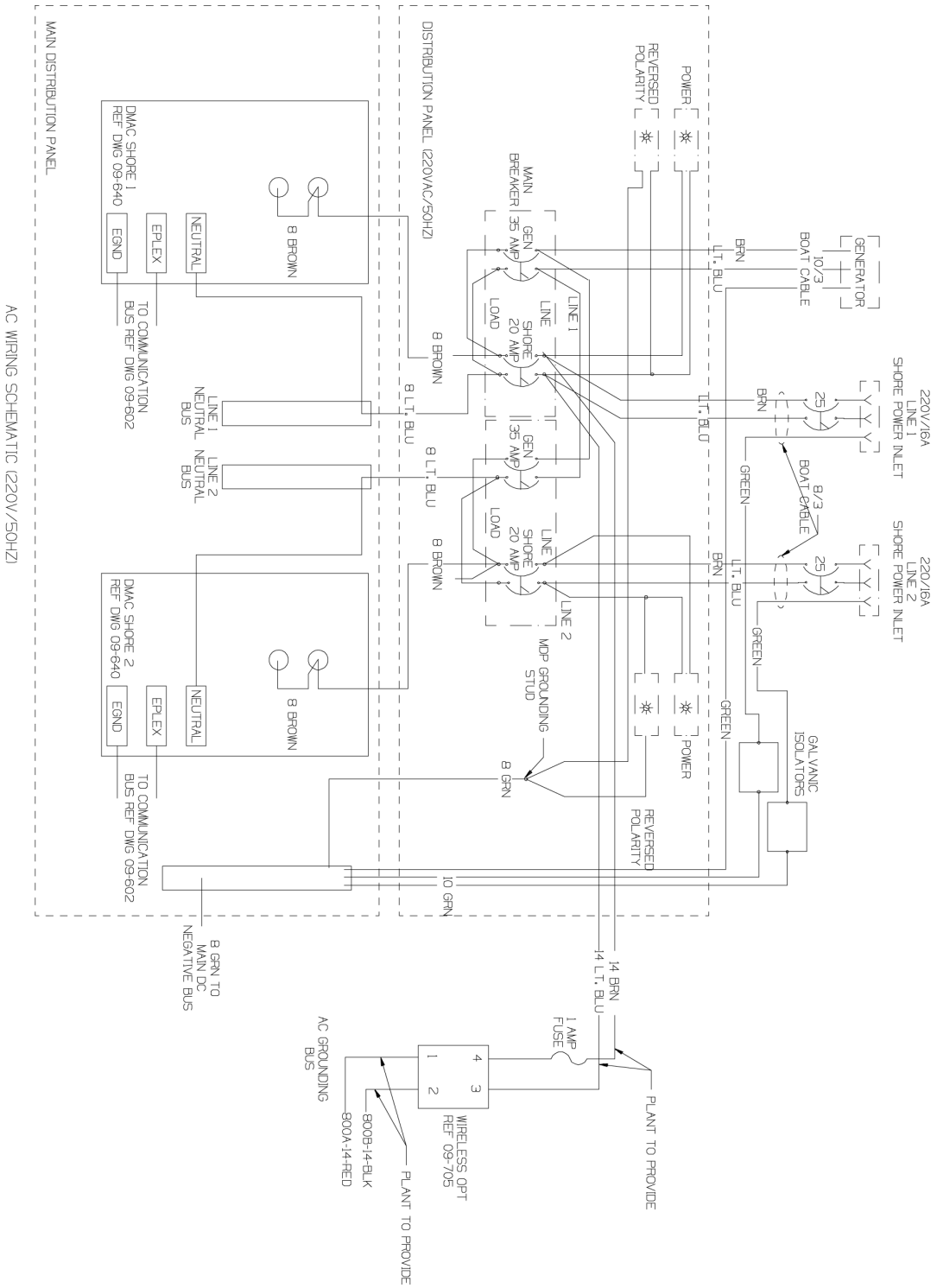
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

AC System Wiring Schematic (120/60)
DRAWING NO. 09-631
(Fig. 61.1)



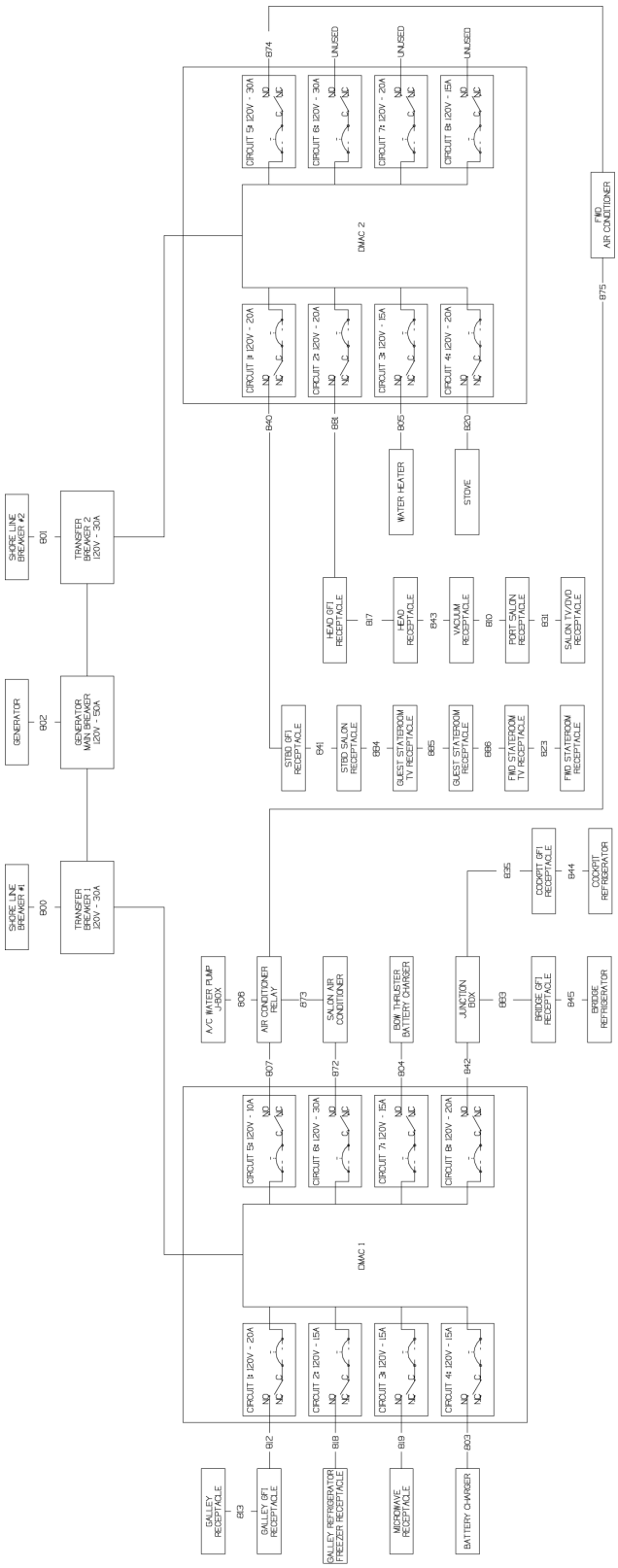
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

AC Wiring Diagram (220/50)
DRAWING NO. 09-632
(Fig. 62.1)



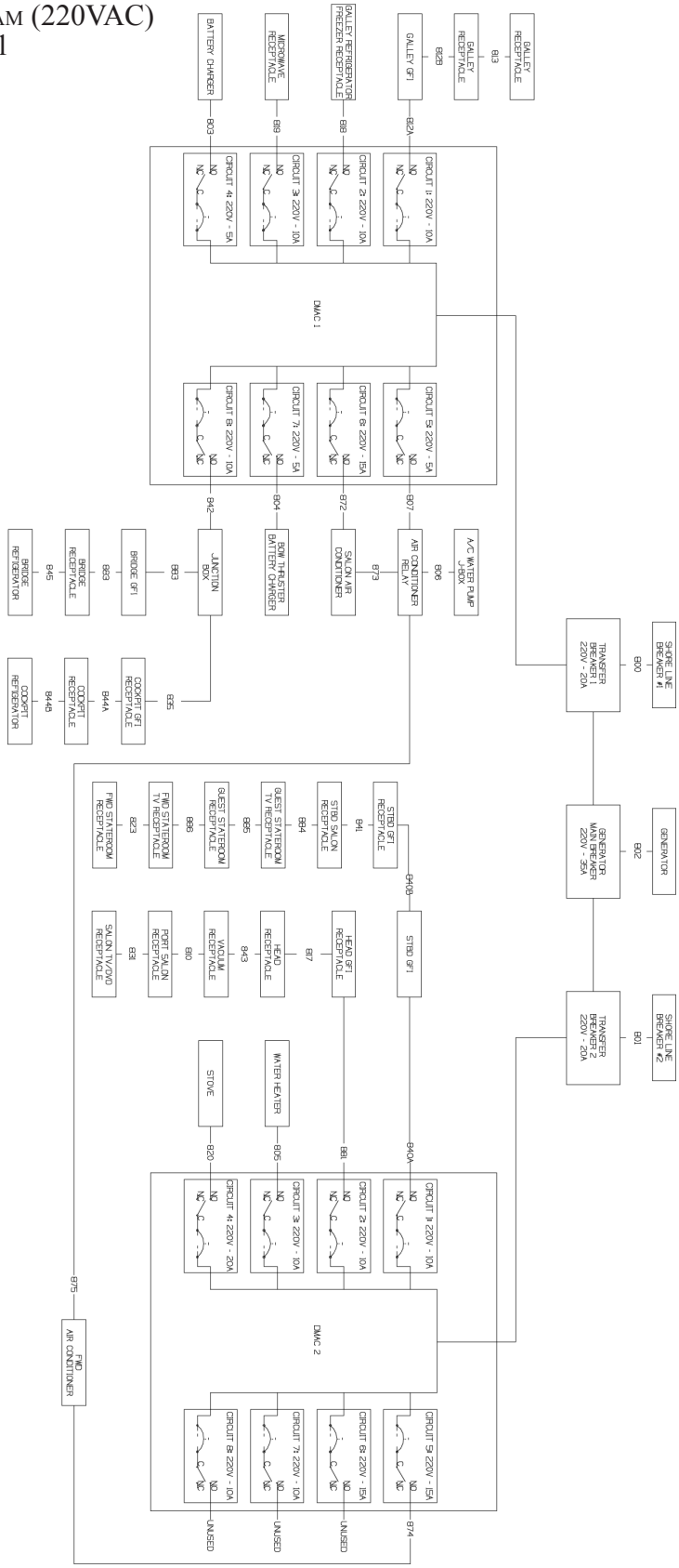
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

AC System Diagram (120VAC)
drawing no. 09-640
(Fig. 63.1)



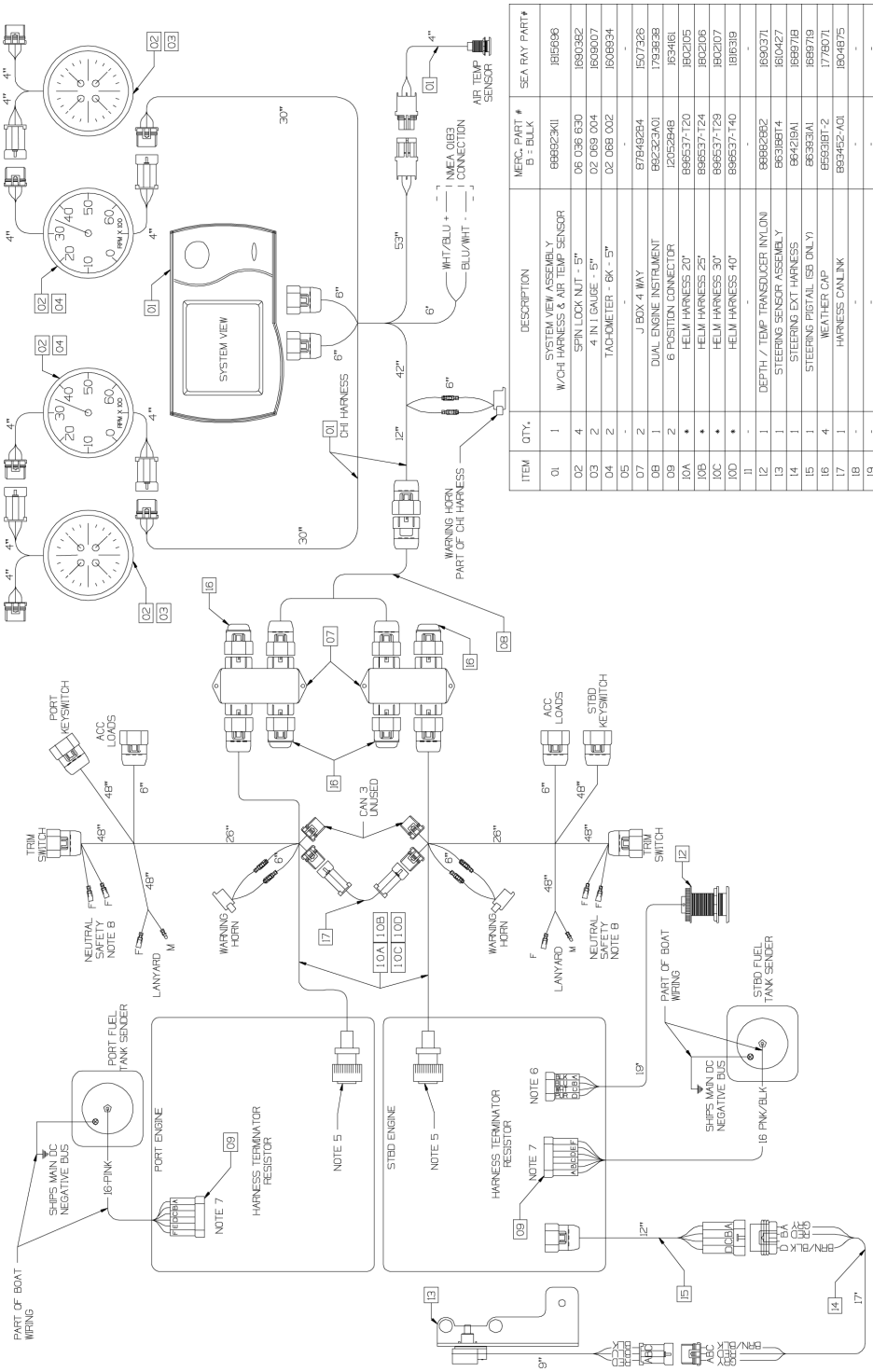
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

AC System Diagram (220VAC)
DRAWING NO. 09-641
(Fig. 64.1)



Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Smartcraft Systems Wiring (Gas)
drawing no. 09-701
(Fig. 65.1)

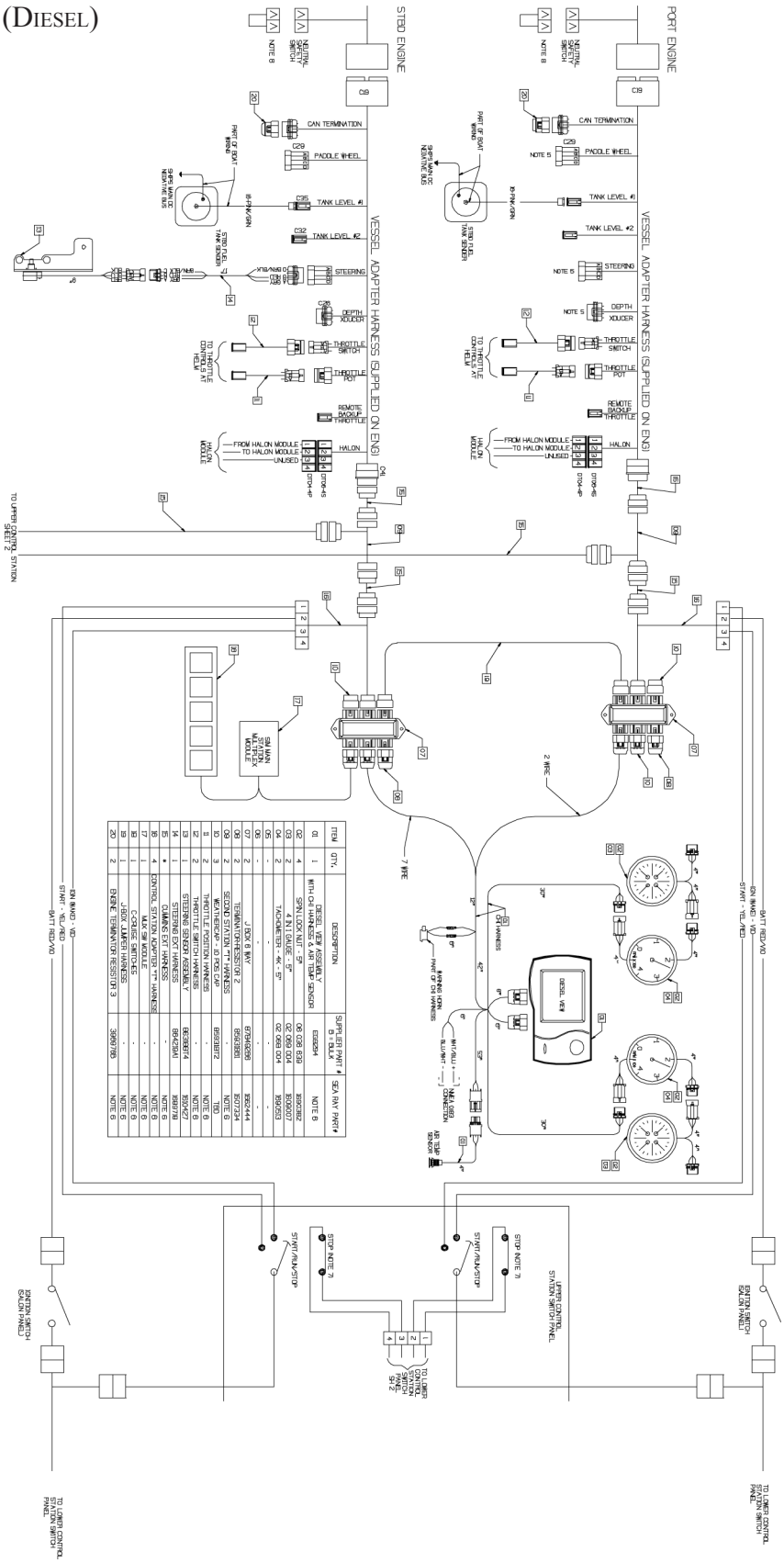


ITEM	QTY.	DESCRIPTION	MERC. PART # B = BULK	SEA RAY PART#
01	1	SYSTEM VIEW ASSEMBLY W/CHI HARNESS & AIR TEMP SENSOR	8888923K11	1815696
02	4	SPIN LOCK NUT - 5"	06 036 630	1690382
03	2	4 IN 1 GAUGE - 5"	02 069 004	1809007
04	2	TACHOMETER - BK - 5"	02 068 002	1808934
05	-	-	-	-
07	2	J BOX 4 WAY	87849284	1507326
08	1	DUAL ENGINE INSTRUMENT	8823233A01	1793838
09	2	6 POSITION CONNECTOR	12052848	1634181
10A	*	HELM HARNESS 20"	896537-T20	1802105
10B	*	HELM HARNESS 25"	896537-T24	1802106
10C	*	HELM HARNESS 30"	896537-T29	1802107
10D	*	HELM HARNESS 40"	896537-T40	1816319
11	-	-	-	-
12	1	DEPTH / TEMP TRANSDUCER NYLON	8888823B2	1690371
13	1	STEERING SENSOR ASSEMBLY	8631B8T4	1810427
14	1	STEERING EXT HARNESS	8642191A1	1899718
15	1	STEERING PIGTAIL (SB ONLY)	8639331A1	1899719
16	4	WEATHER CAP	8583181-2	1778071
17	1	HARNESS CANLINK	8834452-A01	1804875
18	-	-	-	-
19	-	-	-	-
20	-	-	-	-
21	-	-	-	-

* QUANTITY DETERMINED BY BOM

Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

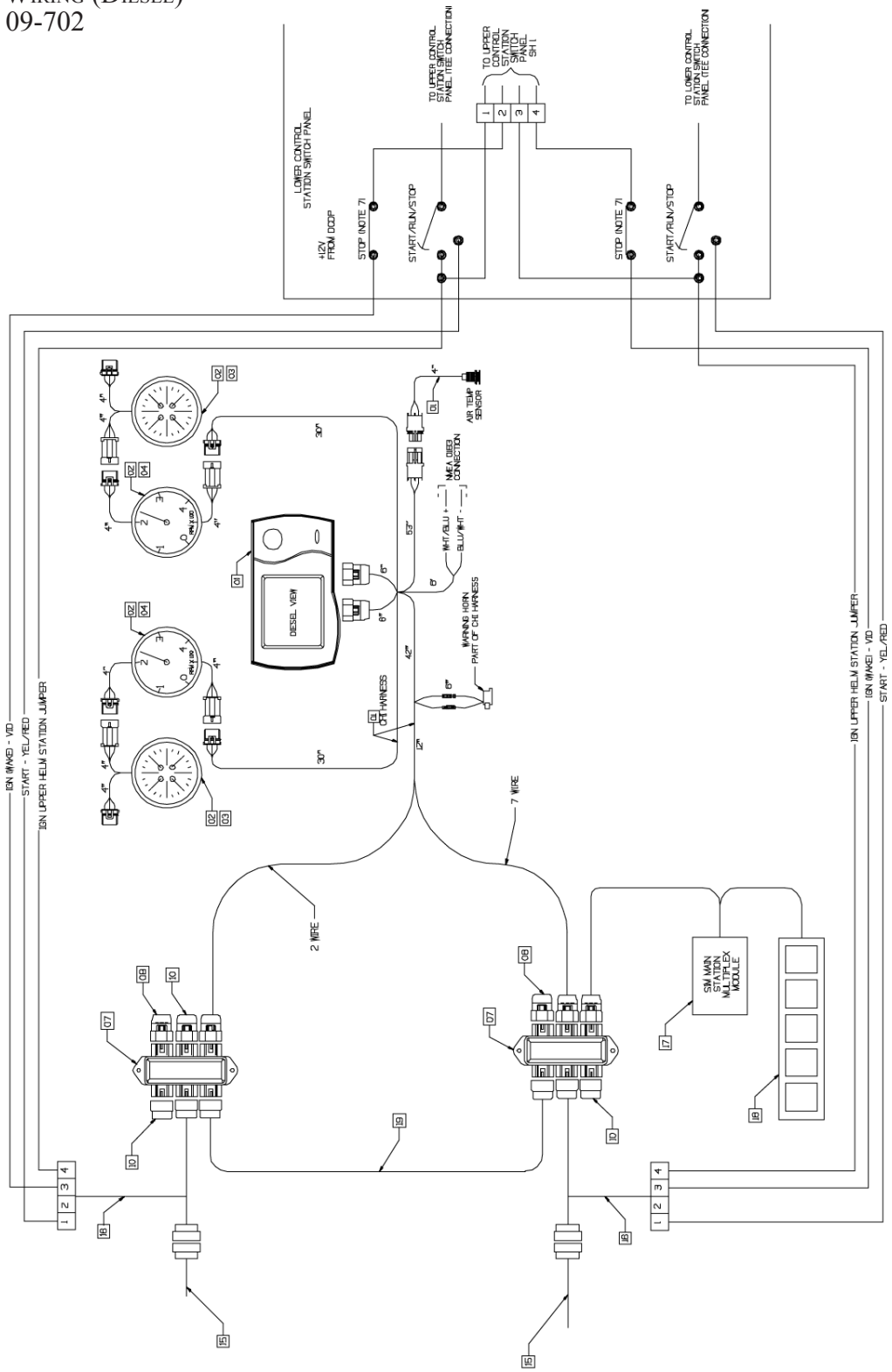
Smartcraft Wiring (Diesel)
drawing no. 09-702
(Fig. 66.1)



ITEM	QTY.	DESCRIPTION	SUPERIOR PART # FLAME	SEA RAY PART #
01	1	WITH DH HARNESS & AIR TEMP SENSOR	6S8SEM	NOTE 6
02	4	SPIN LOCK NUT - 3"	06 026 658	8S8CRBZ
03	2	TACHOMETER - 4", 3"	02 083 01H	8S8D07
04	2	TACHOMETER - 4", 3"	02 083 02H	8S8D03
05	-	-	-	-
06	-	-	-	-
07	2	J DEX 8 WAY	6T8M6089	8S8Z444
08	2	TERMINATOR ASSY 2	6S8J3B81	NOTE 6
09	2	SECOND STATION ***+ HARNESS		TBD
10	3	WEATHERCAP - 0 POS CAP	8S8SBT2	NOTE 6
11	2	THROTTLE POSITION HARNESS	-	NOTE 6
12	2	THROTTLE SWITCH HARNESS	-	NOTE 6
13	1	STEERING EXT HARNESS ASSY	8S8J4B14	NOTE 6
14	1	STEERING EXT HARNESS	8S8J4B81	8S8J4B81
15	*	CUMMINS EXT HARNESS	-	NOTE 6
16	4	CONTROL STATION ADAPTER *** HARNESS	-	NOTE 6
17	1	MAX SW MODULE	-	NOTE 6
18	1	CAN TERMINATION	-	NOTE 6
19	1	J-DEX 4 WAY	-	NOTE 6
20	2	ENGINE TERMINATOR RESISTOR 3	3867785	NOTE 6

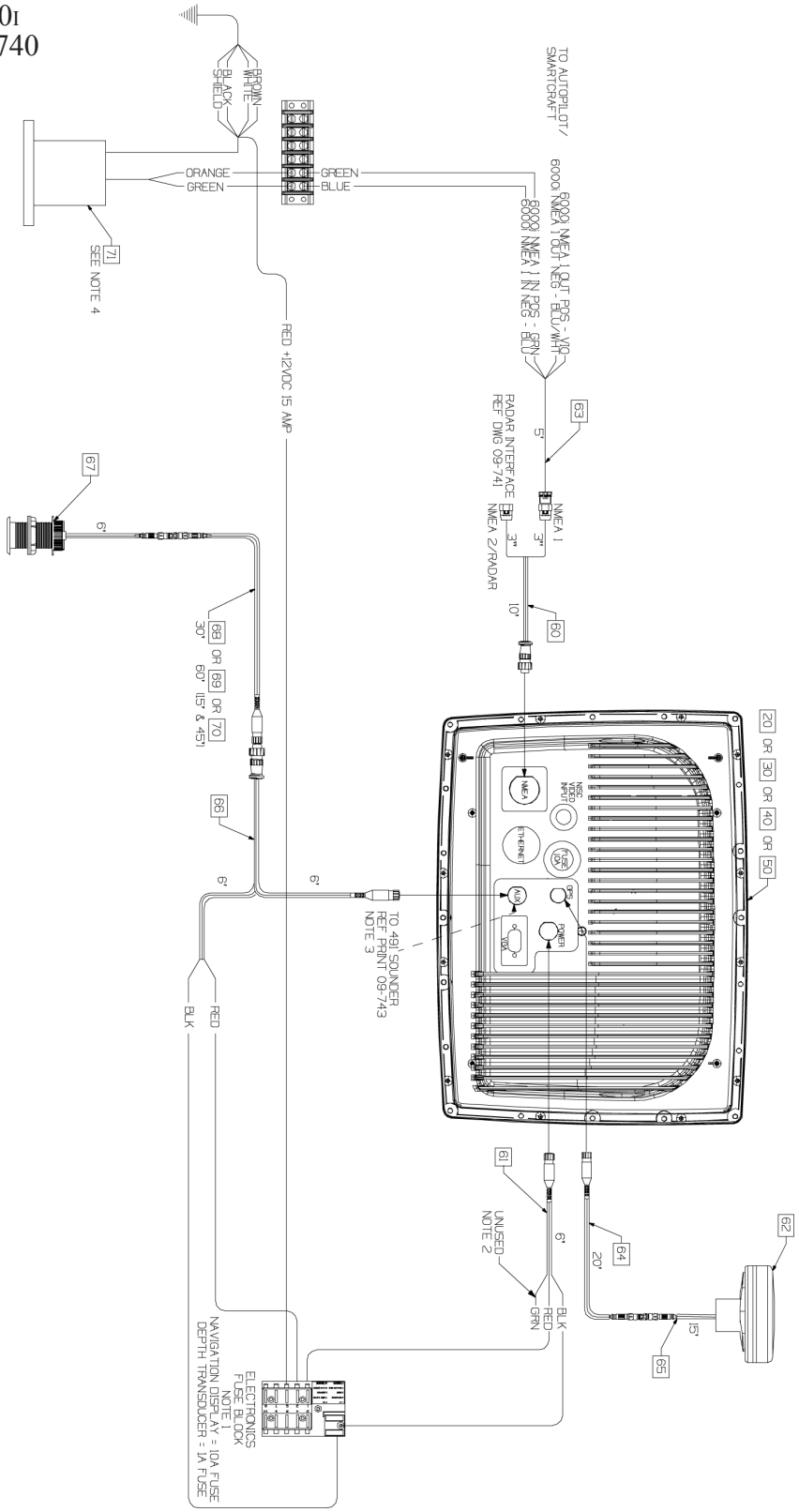
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Smartcraft Wiring (Diesel)
drawing no. 09-702
(Fig. 67.1)


LOWER CONTROL STATION SWITCH PANEL
+12V FROM DCDP
STOP (NOTE 7)
START/RUN/STOP
TO UPPER CONTROL STATION SWITCH PANEL TEE CONNECTION
TO UPPER CONTROL STATION SWITCH PANEL SH1
TO LOWER CONTROL STATION SWITCH PANEL TEE CONNECTION
AIR TEMP SENSOR
NMEA 0183 CONNECTION
DIESEL VIEW
WARNING HORN PART OF CHT HARNESS
IGN (MAKE) - VIO
START - YEL/RED
IGN UPPER HELM STATION JUMPER
2 WIRE
7 WIRE
SM MAIN STATION MULTIPLEX MODULE

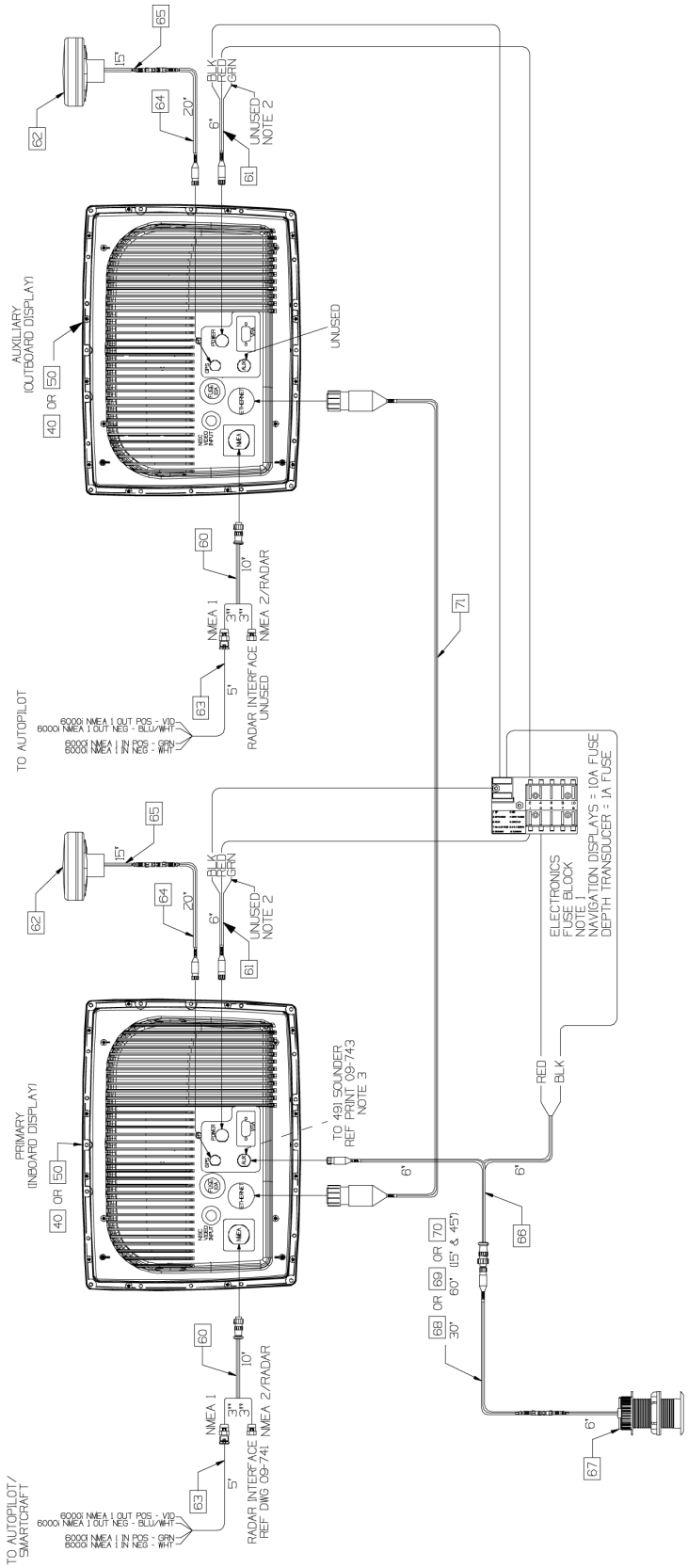
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Northrhstar 6000i
drawing no. 09-740
(Fig. 68.1)


TO AUTOPILOT/ SMARTCRAFT
6000i NMEA 1 OUT POS - VIO 6000i NMEA NET HI NEG - BLU/WHT
8000i NMEA 1 IN POS - GRN 8000i NMEA NET LO NEG - BLU
BROWN WHITE BLACK SHIELD
ORANGE GREEN GREEN BLUE
71 SEE NOTE 4
RED +12VDC 15 AMP
RADAR INTERFACE REF DWG 09-741
NMEA 1 NMEA 2/RADAR
63 5' 3" 3' 10' 60
67 6'
68 30' OR 69 60' OR 70 (15' & 45')
66 6' 6'
TO 49\ SOUNDER REF PRINT 09-743 NOTE 3
BLK RED
20 OR 30 OR 40 OR 50
61 6' UNUSED NOTE 2
64 20'
62 15' 65
BLK RED GRN
ELECTRONICS FUSE BLOCK NOTE 1
NAVIGATION DISPLAY = 10A FUSE
DEPTH TRANSDUCER = 1A FUSE

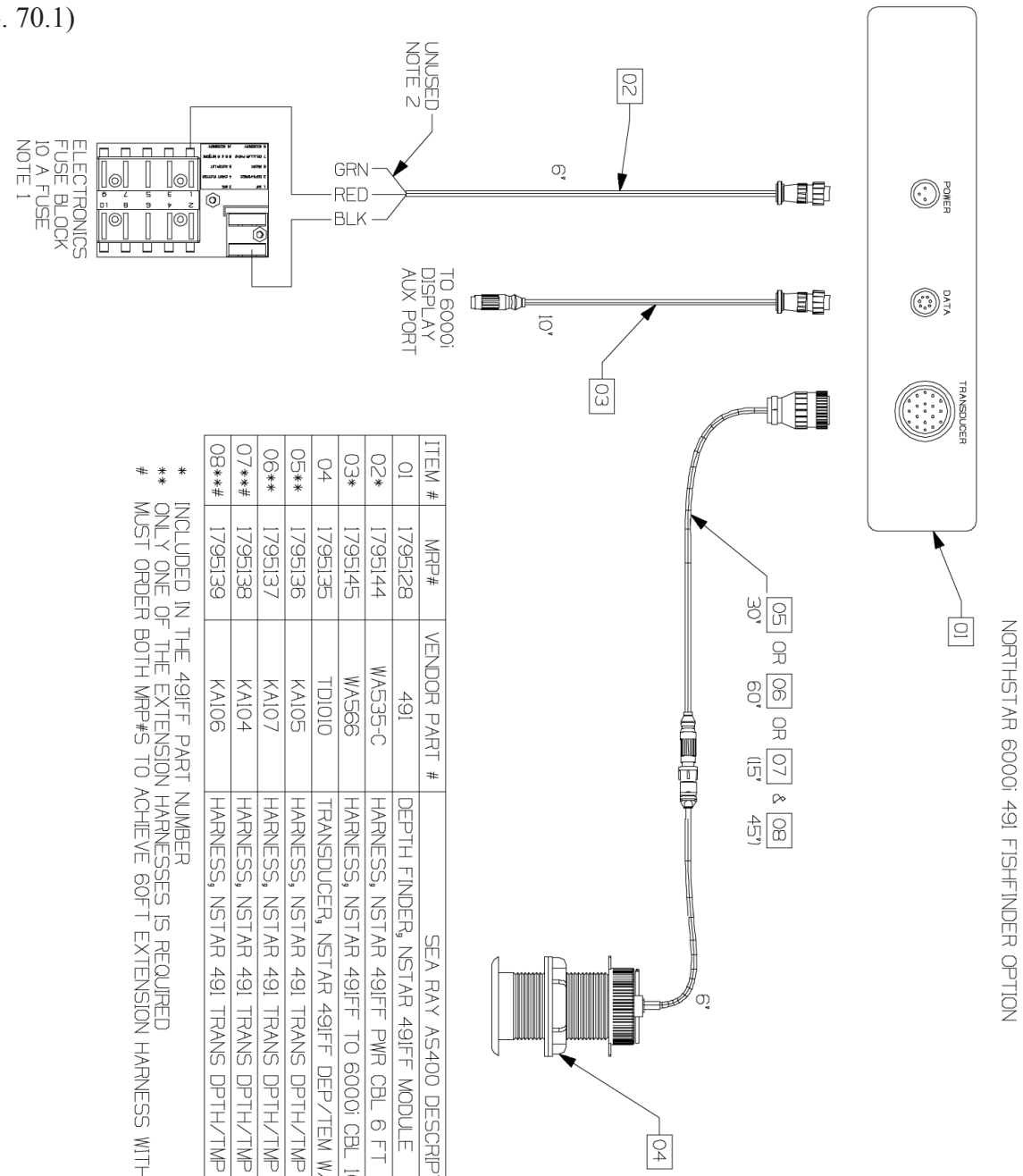
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Northrhstar 6000i (Dual Display)
drawing no. 09-742
(Fig. 69.1)



Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Northrhstar 6000i (Fishfinder (Option))
drawing no. 09-743
(Fig. 70.1)

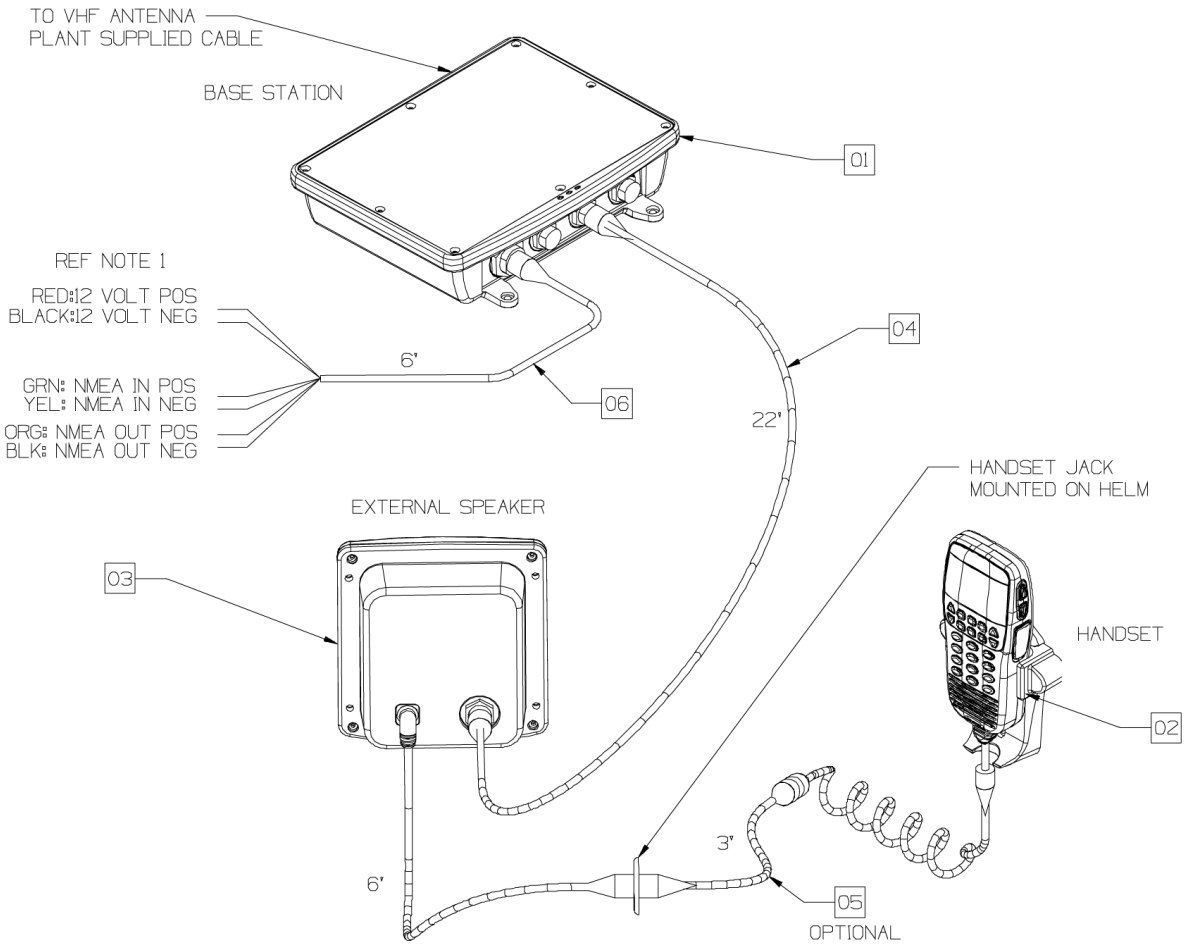


ITEM #	MRP#	VENDOR PART #	SEA RAY AS400 DESCRIPTION
01	1795128	491	DEPTH FINDER, NSTAR 491FF MODULE
02*	1795144	WA535-C	HARNESS, NSTAR 491FF PWR CBL 6 FT
03*	1795145	WA566	HARNESS, NSTAR 491FF TO 6000i CBL 10FT
04	1795135	TD1010	TRANSDUCER, NSTAR 491FF DEP/TEM W/6FT PIGTAIL
05**	1795136	KA105	HARNESS, NSTAR 491 TRANS DPTH/TMP 30'
06**	1795137	KA107	HARNESS, NSTAR 491 TRANS DPTH/TMP 60'
07**#	1795138	KA104	HARNESS, NSTAR 491 TRANS DPTH/TMP 15'
08**#	1795139	KA106	HARNESS, NSTAR 491 TRANS DPTH/TMP 45'

* INCLUDED IN THE 491FF PART NUMBER
** ONLY ONE OF THE EXTENSION HARNESSES IS REQUIRED
# MUST ORDER BOTH MRP#S TO ACHIEVE 60FT EXTENSION HARNESS WITH BRIDGE BREAKDOWN

Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Northrhstar 6000i (VHF)
drawing no. 09-745
(Fig. 71.1)



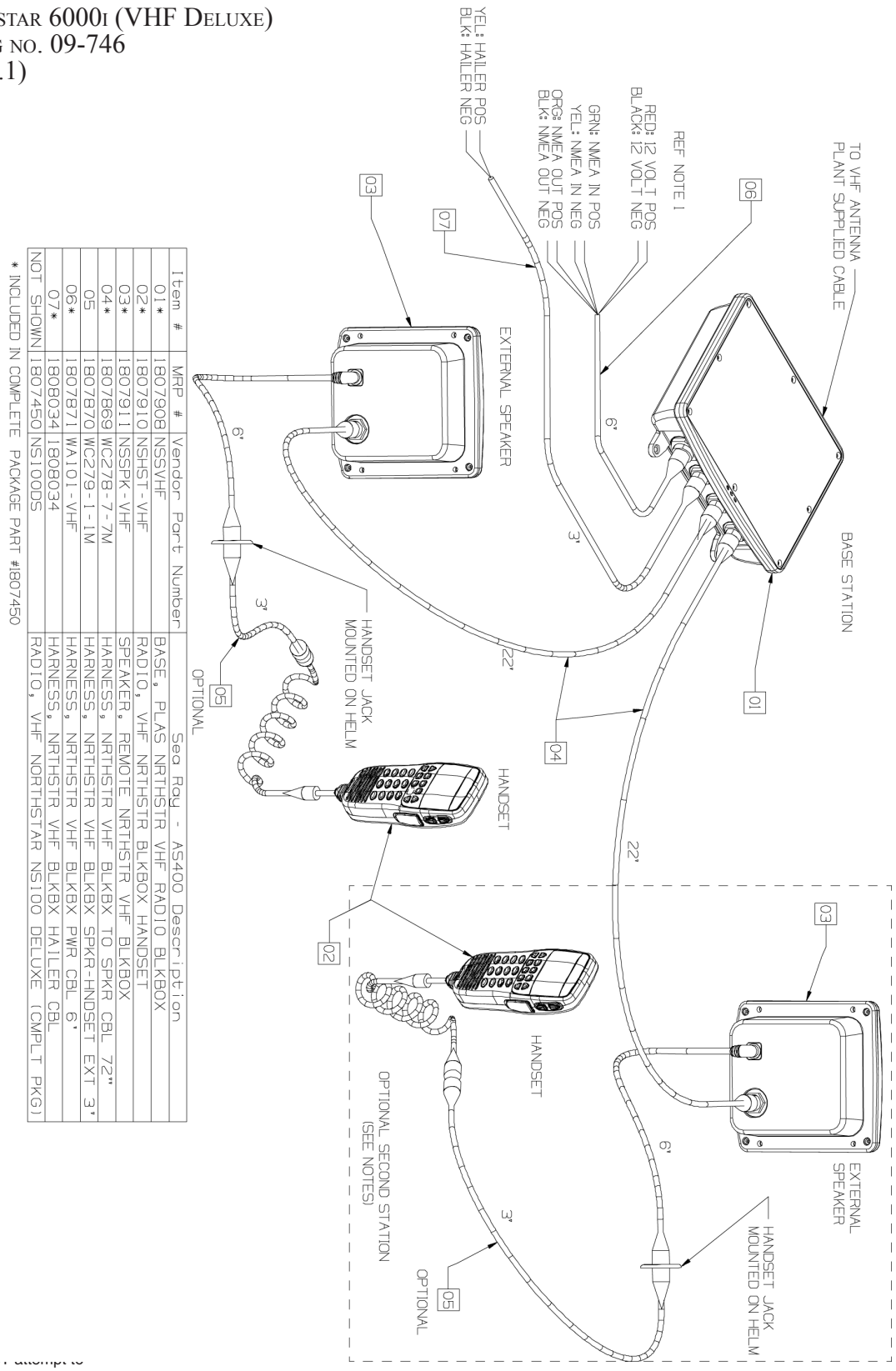
Item #	MRP #	Vendor Part Number	Sea Ray - AS400 Description
01*	1807908	NSSVHF	BASE, PLAS NRTHSTR VHF RADIO BLKBOX
02*	1807910	NSHST-VHF	RADIO, VHF NRTHSTR BLKBOX HANDSET
03*	1807911	NSSPK-VHF	SPEAKER, REMOTE NRTHSTR VHF BLKBOX
04*	1807869	WC278-7-7M	HARNESS, NRTHSTR VHF BLKBX TO SPKR CBL 72"
05	1807870	WC279-1-1M	HARNESS, NRTHSTR VHF BLKBX SPKR-HNDSET EXT 3'
06*	1807871	WA101-VHF	HARNESS, NRTHSTR VHF BLKBX PWR CBL 6'
NOT SHOWN	1807449	NS100SS	RADIO, VHF NORTHSTAR NS100 (COMPLETE PACKAGE)

* INCLUDED IN COMPLETE PACKAGE PART #1807449

NORTHSTAR BLK BOX VHF

Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

Northrhstar 6000i (VHF Deluxe)
drawing no. 09-746
(Fig. 72.1)

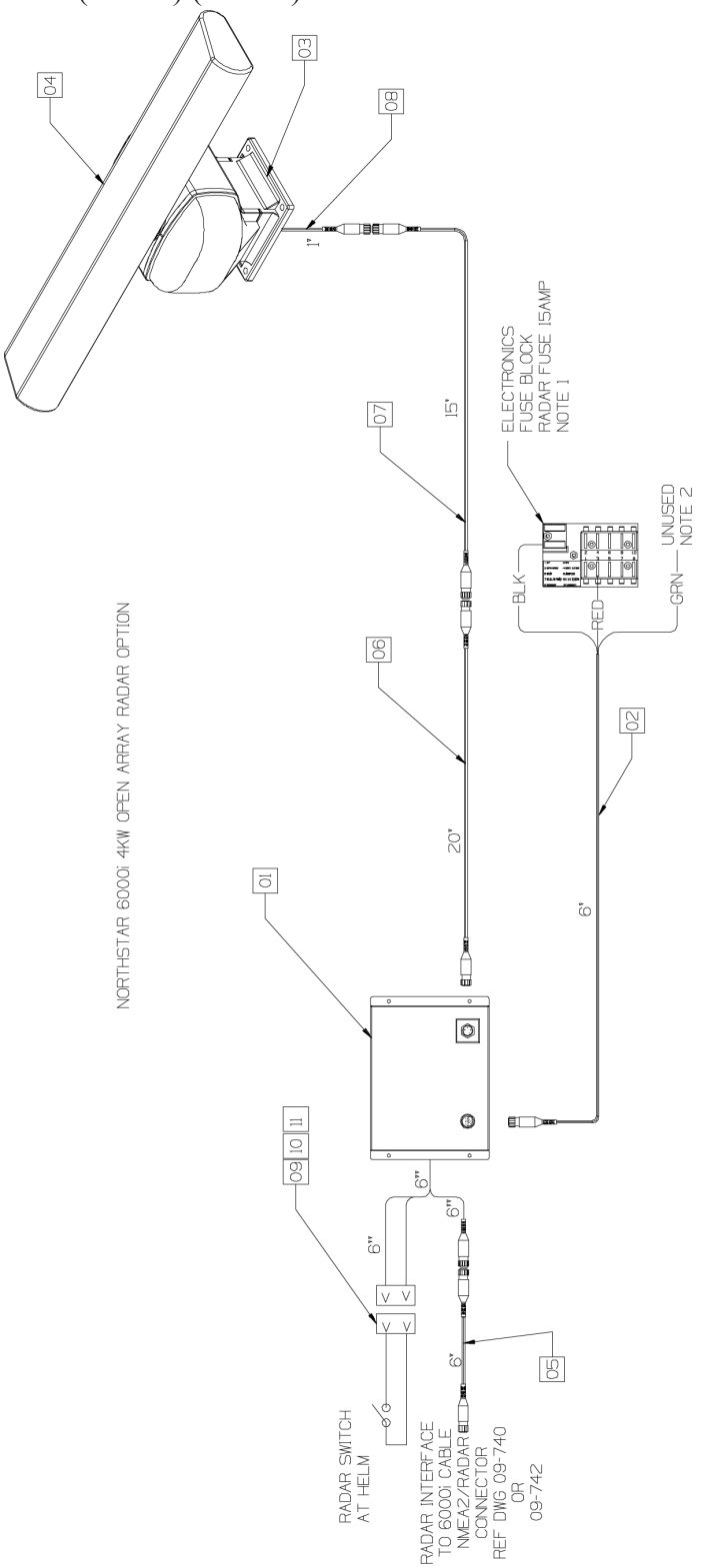


Item #	MRP #	Vendor Part Number	Sea Ray - AS400 Description
01*	1807908	NSSVHF	BASE, PLAS NRTHSTR VHF RADIO BLKBOX
02*	1807910	NSHST-VHF	RADIO, VHF NRTHSTR BLKBOX HANDSET
03*	1807911	NSSPK-VHF	SPEAKER, REMOTE NRTHSTR VHF BLKBOX
04*	1807869	WC278-7-7M	HARNESS, NRTHSTR VHF BLKBX TO SPKR CBL 72"
05	1807870	WC279-1-1M	HARNESS, NRTHSTR VHF BLKBX SPKR-HNDSET EXT 3'
06*	1807871	WA101-VHF	HARNESS, NRTHSTR VHF BLKBX PWR CBL 6'
07*	1808034	1808034	HARNESS, NRTHSTR VHF BLKBX HAILER CBL
NOT SHOWN	1807450	NS100DS	RADIO, VHF NORTHSTAR NS100 DELUXE (CMPLT PKG)

* INCLUDED IN COMPLETE PACKAGE PART #1807450
NORTHSTAR BLK BOX VHF DELUXE

DO NOT attempt to work on the electrical system of this boat without professional assistance.

Northstar 6000i (Radar) (Option)
(Fig. 73.1)

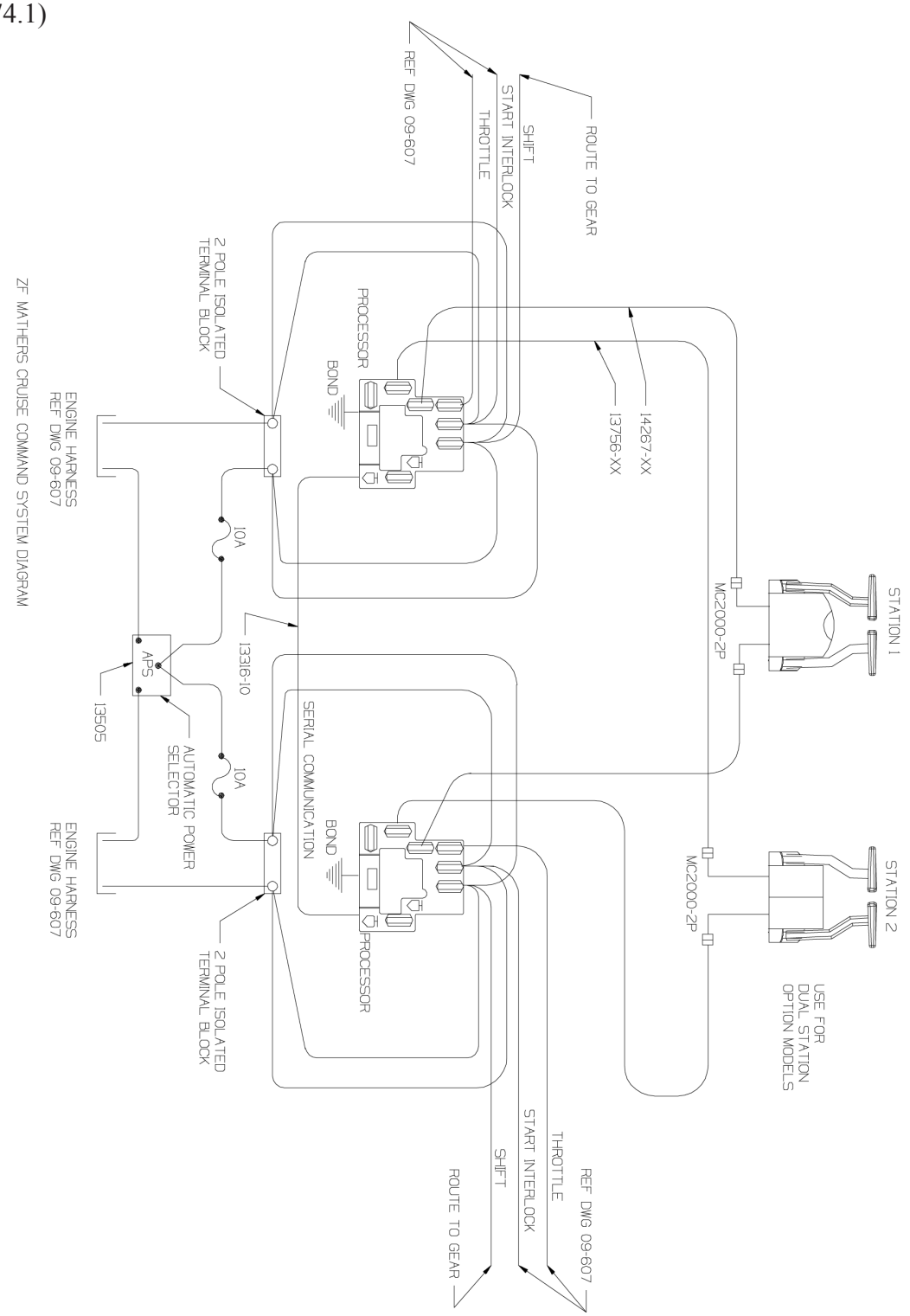


Item #	MRP #	Vendor Part Number	Sea Ray - AS400 Description
01*	1770986	RBOX22	BOX, JUNCTION NRTHSTR 6000I RADAR
02*	1770979	WA571	HARNESS, RADAR PWR CBL 6' NRTHSTR 6000I
03*	1770987	RSC716SR-A	RADAR, NRTHSTR 6000I PEDESTAL W/1' PIGTAIL
04*	1770988	RANT35	RADAR, NRTHSTR 6000I 3.5' ARRAY
05*	1795142	WA613-G	HARNESS, RADAR/ NRTHSTR 6000I INTFACE CBL
06*	1770981	WA568-C	HARNESS, RADAR CBL 20' NRTHSTR 6000I
07*	1770985	WA569-A	HARNESS, RADAR CBL EXT15' NRTHSTR 6000I
08*	1772612	WA570	HARNESS, RADAR PIGTAIL 1' NRTHSTR
09	1773030	DTM06-2S	PLUG KIT, DEUTSCH DTM06-2S PLUG W/SOCKET
10	1773043	WM2S	PLUG KIT, DEUTSCH SEC LOCK DTM06-2S
11	1741427	1062-20-0122	PLUG KIT, DEUTSCH S/F 20AWG SCKT
NOT SHOWN	1770978	RAD4K35BG-A	RADAR, NRTHSTR 6000I 4KW CMPLT PKG

* INCLUDED IN THE COMPLETE PACKAGE PART NUMBER

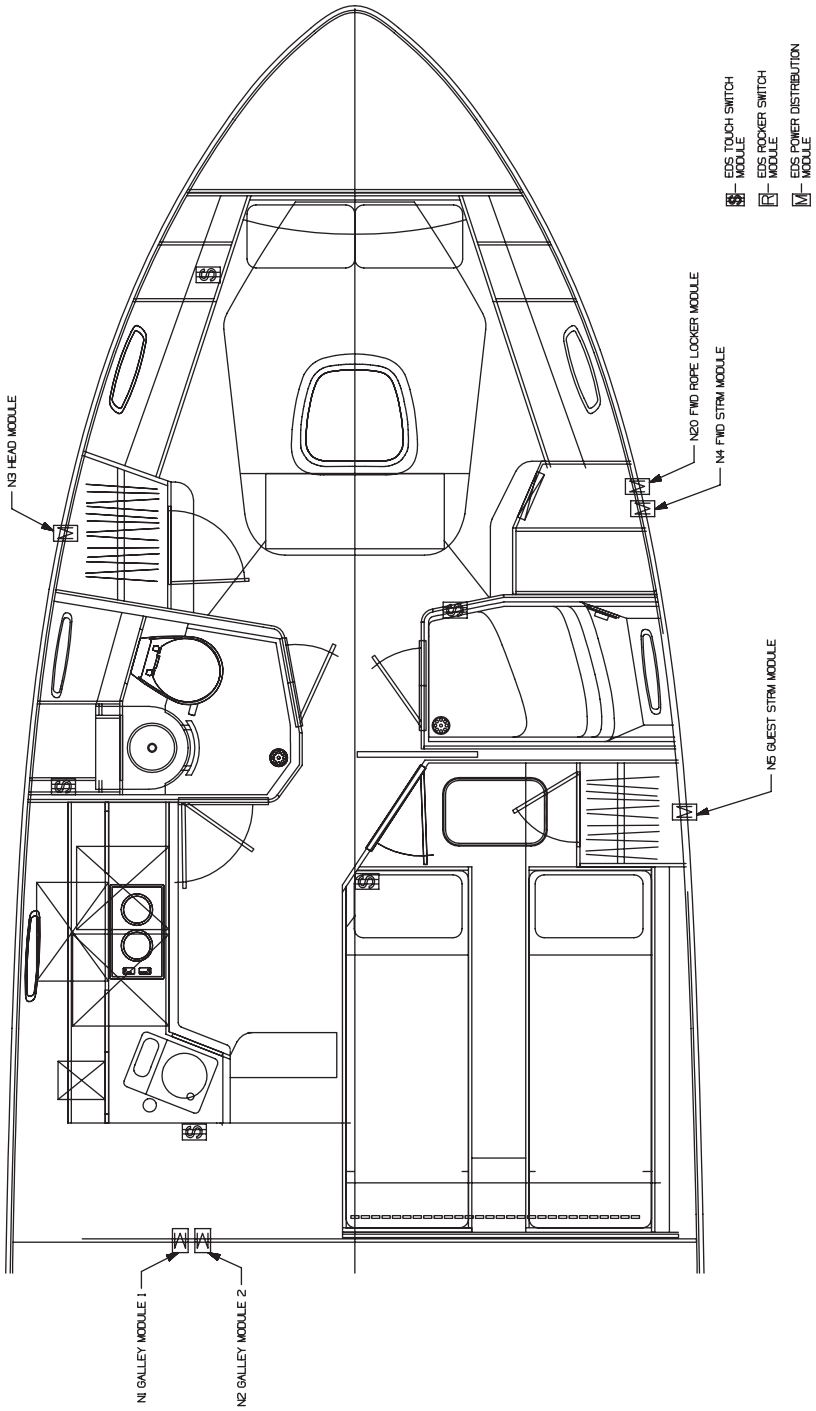
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

ZF Mathers Cruise System Diagram
drawing no. 09-770
(Fig. 74.1)



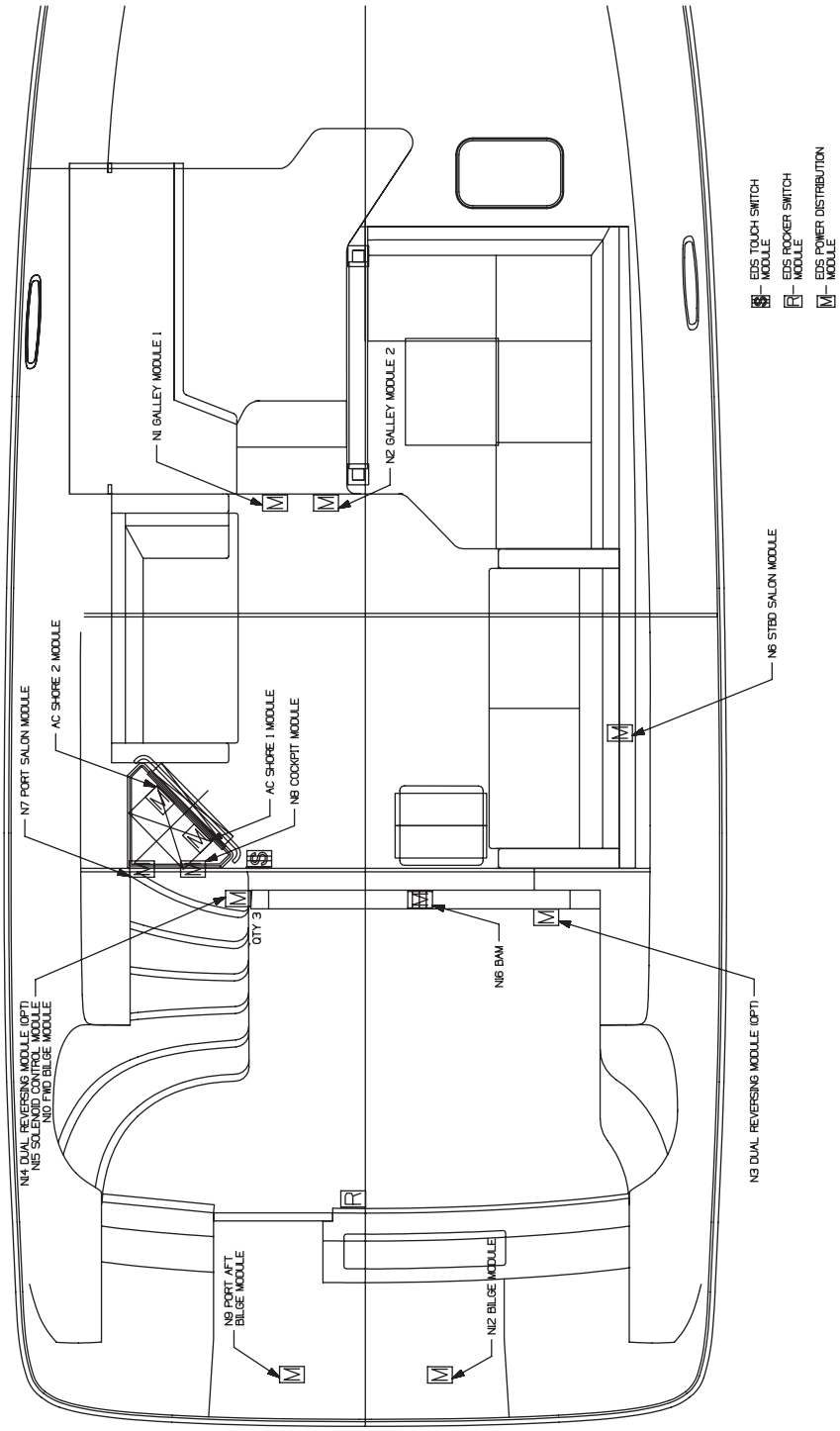
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

EDS Module Layout
drawing no. 09-502
(Fig. 75.1)


EDS TOUCH SWITCH MODULE
EDS ROCKER SWITCH MODULE
EDS POWER DISTRIBUTION MODULE
N20 FWD ROPE LOCKER MODULE
N4 FWD STRM MODULE
N3 HEAD MODULE
N5 GUEST STRM MODULE
N1 GALLEY MODULE 1
N2 GALLEY MODULE 2

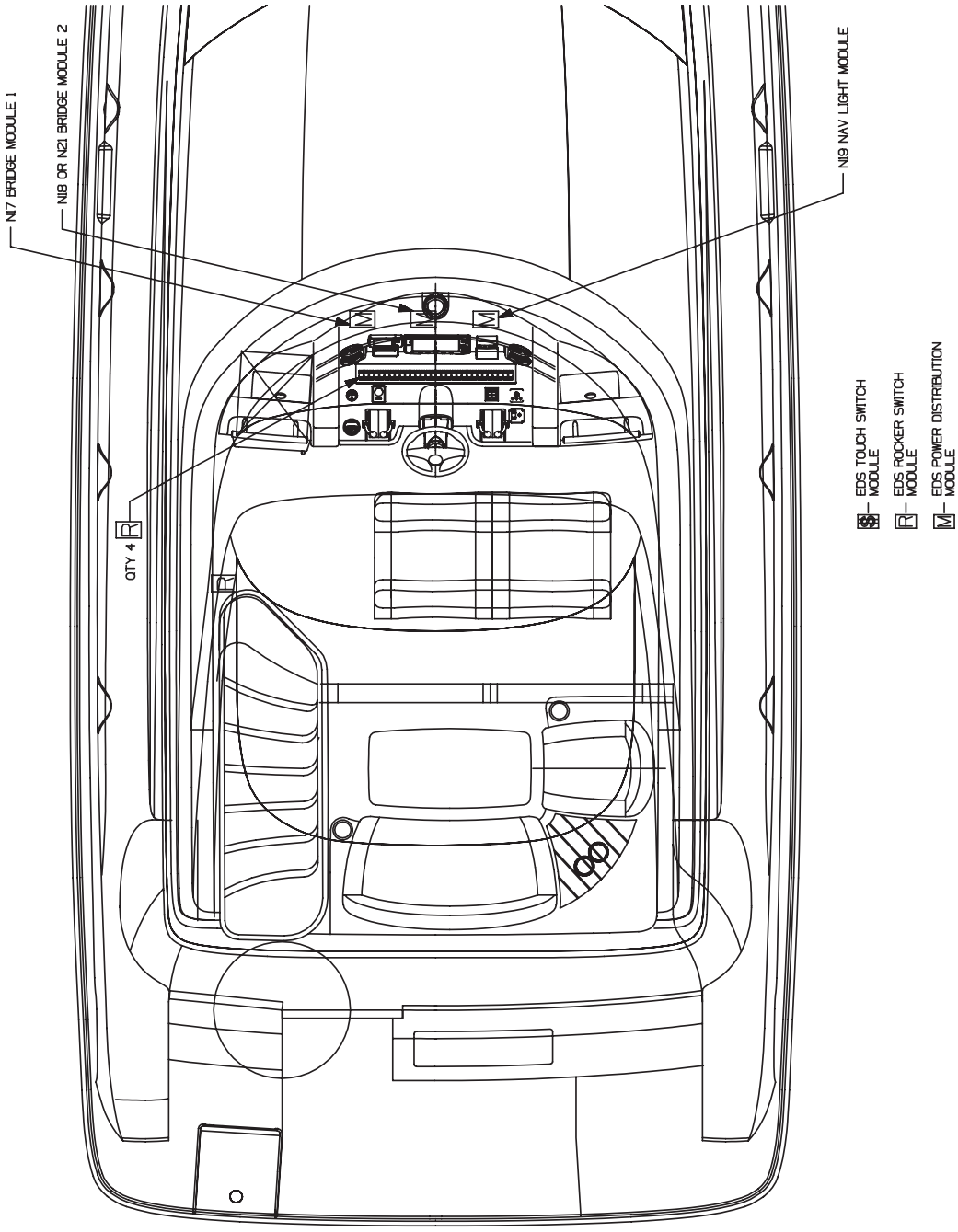
Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

EDS Module Layout
drawing no. 09-502
(Fig. 76.1)



Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

EDS MODULE LAYOUT
DRAWING NO. 09-502
(FIG. 77.1)


N17 BRIDGE MODULE 1
N18 OR N21 BRIDGE MODULE 2
N19 NAV LIGHT MODULE
QTY 4
EDS TOUCH SWITCH MODULE
EDS ROCKER SWITCH MODULE
EDS POWER DISTRIBUTION MODULE

Warning:
DO NOT attempt to work on the electrical system of this boat without professional assistance.

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